YORK CORRUGATING CO.
66-72 HUDSON ST.
HOBOKEN, N. J.

THATCHER
PRODUCTS

Thatcher Furnace Company

Since 1850

Boilers - Radiators - Furnaces - Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

THATCHER

Boilers—Radiators—Furnaces
Air Conditioners

Foreword!

For eighty-seven years, the name "Thatcher" has stood preeminently in the heating industry. From the first Celebrated Thatcher Tubular Furnace, manufactured in 1850, the Company has continuously built up its enviable reputation and good-will through service to the trade.

With present day conditions and constant improvements in the heating field, it is more vital now than ever before, that the manufacturer offer the trade modern Products and advanced Engineering Assistance.

Thatcher Furnace Company, therefore, commits itself to an even broader service and the same superior quality in the manufacture of Modern Thatcher Boilers, Radiators, Furnaces and Air Conditioning Equipment for Oil, Coal or Gas.

Thatcher Furnace Company

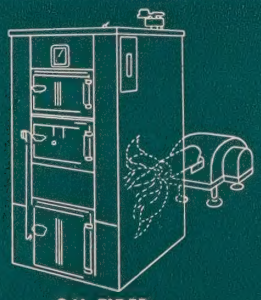
Your Warm Friend Since 1850

39 ST. FRANCIS ST. NEWARK, N. J.

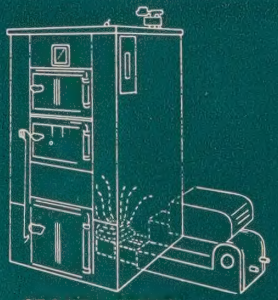
THATCHER
TRIPLE-FIRE

Series 60

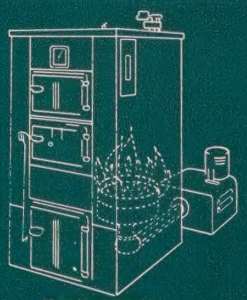
. . . . THE ALL-PURPOSE BOILER . . . .



OIL FIRED



STOKER FIRED



GAS FIRED

THE TRIPLE-FIRE BOILER

For All Fuels—Coal—Oil—Gas

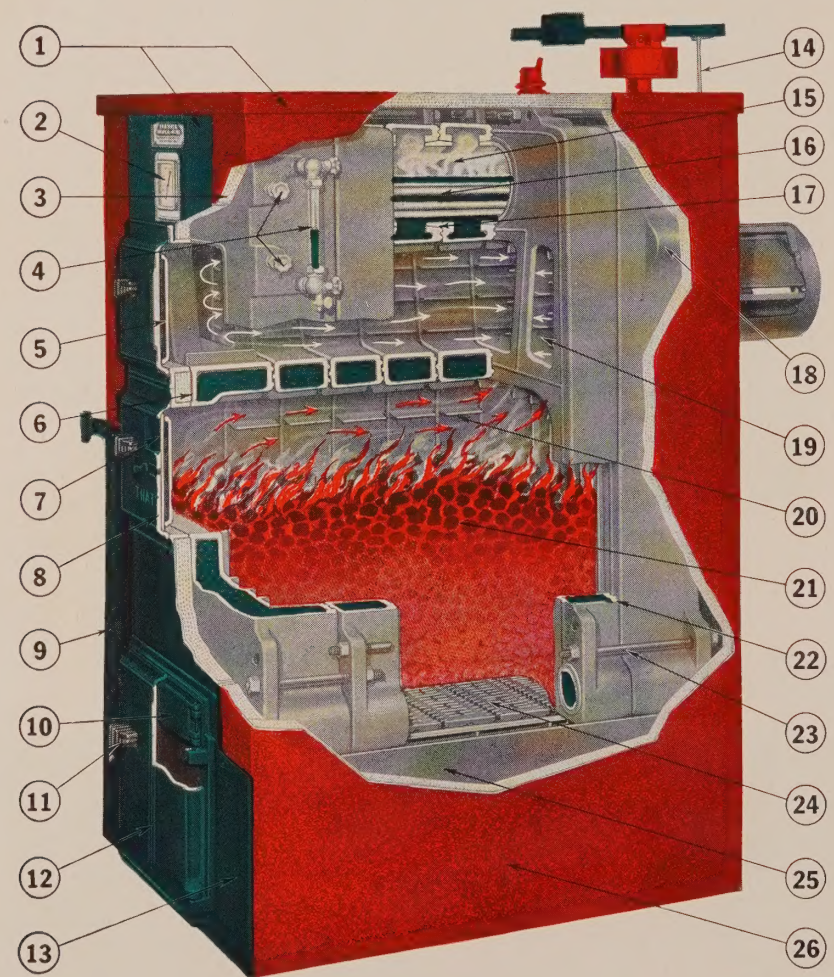
Efficient heating operation was formerly obtained only by selecting a boiler equipped particularly for one fuel. It was necessary to select this fuel in advance and purchase all the equipment for burning it at one time.

The Thatcher Triple-Fire Boiler now enables you to purchase a steam or hot water boiler designed and engineered to use coal, oil or gas with equally satisfactory results. This allows owners to install a heating system and at a future date select whichever fuel they prefer or to change from one fuel to another without losing any efficiency in operation.

For instance, the Thatcher Triple-Fire Boiler is designed with grate bars suspended on rails. The entire grate assembly can be removed or installed without changing any other part of the boiler. Also, the interior of the feed door which acts as a "secondary air intake" when coal is used, can be reversed, providing an inspection port when oil fuel is used. And then again, the draft door opening in the rear of the boiler permits installation of an oil or gas burner.

Furthermore, all Thatcher Triple-Fire Boilers are furnished with a tapping for a low water cut off. The base sides are reversible, one side having a removable plate, providing a space for an automatic stoker. The exceptionally high base facilitates the installation of an oil or gas burner, or a stoker.

Thus, the home owner is able to install a heating system now and at a future date select the fuel which he prefers or to change from one fuel to another without losing any efficiency in the operation of his heating plant.



Features

1. Modernistic, Two Color Casing. Baked Crinkle Finish.
2. Compound Vacuum and Pressure Gauge.
3. 4-Ply Asbestos Insulation on Four Sides and Top.
4. Concealed Tri Cocks and Gauge Glass.
5. Cast Iron Cleanout Door Lining.
6. Long Life Grey Iron Castings.
7. Secondary Air Intake for Coal—Inspection Port for Oil.
8. Reversible Extra-Heavy Cast Iron Feed Door Lining.
9. Waist-High, Multi-leverage Shaker Handle.
10. Removable, Concealed Slicing Door and Frame.
11. Air Cooled Bakelite Handles.
12. Extra large Ash Pit Door.
13. Cast Iron Base Front.
14. Automatic, Positive Action Damper Regulator.
15. Extra Large Steam Chamber.
16. Internal Domestic Water Heater.
17. Oversized, Malleable Push Nipples.
18. Provision for Low Water Cut Off.
19. Triple Pass Fire Travel.
20. Many Heat-absorbing Fins.
21. Ample Coal Carrying Capacity.
22. Cemented, Leak-proof Tongue and Groove Joints.
23. Individual Draw-Up Rods.
24. Fine Grates for Buckwheat Coal.
25. Unusually High Base.
26. Casing Extends to Floor.

Modern and Attractive

The Thatcher Triple-Fire Boiler has an exceptionally attractive appearance as the modernistic casing is made with a baked crinkle finish in two colors. The compound vacuum and pressure gauge is set in a chromium flange while the water gauge is recessed into the casing allowing only the glass itself to show. The tri-cocks are concealed although they are readily accessible through a special door. The clinker door is placed inside of the ash pit door so as to improve the appearance of the front of the boiler. All shaking connections are also placed inside the ash pit door for the same reason. On the sides and rear of the boiler the casing extends to the floor but in front there is a cast iron base to prevent denting or marring when removing ashes.

Built for Long Life

The Thatcher Triple-Fire Boiler will last a life time for it is built of high-grade heavy gray iron castings. The cleanout door and feed door are furnished with cast iron linings to prevent warping. The ash pit is exceptionally high so that when used as a coal-fired boiler, it is not necessary to remove ashes as often, and long life for the grates is assured. The tongue and grooved joints between the water sections hold the sealing cement firmly in place so that the boiler will remain tight indefinitely.

Easy to Operate

The Thatcher Triple-Fire Boiler embodies every facility for ease of operation. The ash pit and feed doors are furnished with air-cooled bakelite handles so that there is no danger of burning one's hands. The waist-high, multi-leverage shaker handle is operated with great ease and will readily free the fire from all ashes and clinkers.

The large ash pit door facilitates the removal of ashes as it will accommodate the largest shovel. The combustion chamber provides an exceptional coal carrying capacity so that it is not necessary to add coal often. The damper regulator can be readily adjusted to keep the boiler operating at any desired point. This regulating device eliminates complicated pulleys, formerly used, and its action is made positive by substitution of a rigid rod for the usual chain.

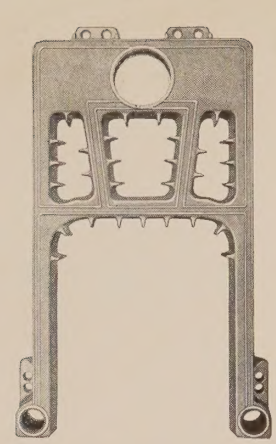
Efficient and Economical

The Thatcher Triple-Fire Boiler is designed with triple pass fire travel. The gases pass the length of the boiler three times before they reach the smoke outlet. In passing through these flues the heat of the gases is absorbed by the heating surface which is greatly increased by the many fins cast on it.

The leak proof tongue and grooved joints between the sections prevent any air from entering the boiler to impair its efficient operation. The high steam chamber assures an abundant supply of dry steam and the sections are connected with large push nipples to accelerate the flow of steam through them.

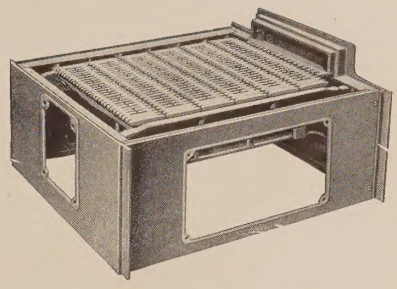
When the boiler is hand fired the automatic damper regulator prevents overheating and the consequent waste of fuel, while the fine grates permit the use of all sizes of coal—even buckwheat—another distinct economy.

The jacket around the boiler is lined with four-ply asbestos on the four sides and top to minimize the escape of heat from the boiler.



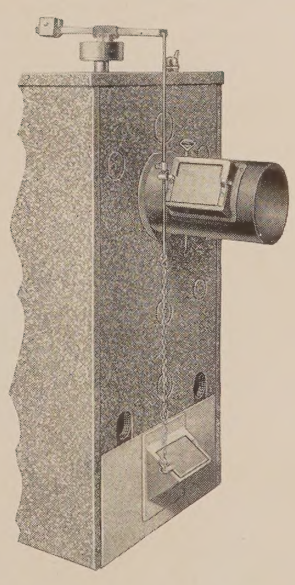
INTERMEDIATE SECTION OF TRIPLE-FIRE BOILER.

Showing ample combustion space and additional heating surface secured from the many fins.



BASE OF TRIPLE-FIRE BOILER.

Note that entire grate assembly is suspended on removable rails. Grates are fine enough for Buckwheat coal.

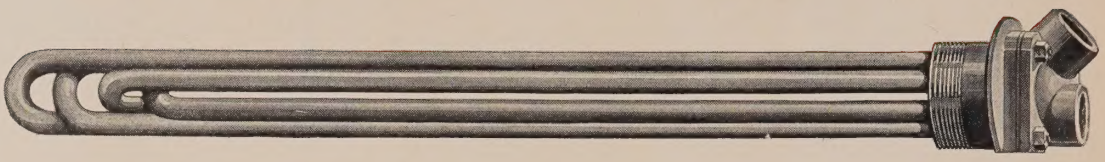


DAMPER HOOK-UP OF TRIPLE-FIRE BOILER.

Direct connection and rigid rod assure positive, automatic operation.

Domestic Hot Water

Internal Heaters



Domestic hot water can be supplied automatically by installing an internal water heater in the Thatcher Triple Fire Boiler.

As illustrated above, these heaters consist of a series of copper coils and a brass header which screws into the back section of the boiler. These coils lie submerged in the hottest water in the boiler, just under the water line, and will furnish an abundant supply of hot water whenever needed.

If the boiler is fired by a stoker or oil burner, an S-series hot water heater will supply domestic hot water in Summer as well as in the Winter. In a hand-fired steam boiler, Winter hot water can be secured by using one of the W-series internal heaters.

Tankless Heaters

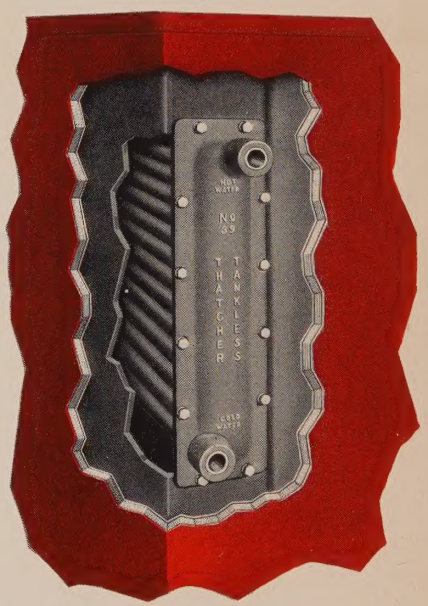
The tankless hot water supply heater, contained in the back section of the boiler, is a remarkable new Thatcher development. This heater supplies domestic hot water without the use of a storage tank. This means a considerable saving in time and money on the original installation as well as gaining extra space in the basement.

This heater will supply 180 gallons of hot water per hour every day in the year—sufficient for two bathrooms whether they are used by one or two families.

The Tankless heater consists of long coils of copper tubing built inside the back section of the boiler. When any of the hot water faucets in the home are opened, city water is drawn through this coil and heated to within a few degrees of the temperature of the boiler water surrounding it.

An automatic control is furnished with the oil burner or stoker to keep the water at the temperature desired and a tempering valve should be installed on the supply line to the fixtures.

The Thatcher Tankless Heater gives you a completely automatic, compact and efficient heating unit.



Extended Casing

If the Thatcher Triple Fire Boiler is to be oil-fired or gas-fired an extended casing can be supplied at a small additional charge. This extension will enclose the oil or gas burner, and all controls as it is 24 inches deep. It is made with the same finish as the main casing on the boiler and will enhance the beauty of the entire heating plant.

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

NEWARK, N. J.

The New "Series A"

THATCHER

Oil Master

"Series A" Thatcher OilMaster

The new "Series A" OilMaster carries on the name and high standard of its predecessors. The original OilMaster was one of the first boilers designed exclusively for oil and quickly established a splendid reputation. Each succeeding series of OilMaster Boilers has incorporated many innovations and improvements. And each series has become the favorite of experienced Oil Burner Dealers. In this new "Series A" we are confident we are offering the ultimate in an Oil Burning Boiler.

The "Series A" OilMaster is fired from the front. The casing is extended for 22 inches to enclose the oil burner. Large grilles in the sides of this extension provide an abundant supply of fresh air for the burner.

Among the features of previous OilMaster Boilers which are retained in the "Series A" are the extended heating surface of the many fins, the permanently sealed, air-tight tongue and groove joint between the sections, draft regulator, tappings for all controls and many others.

Engineered To Secure The Utmost Economy In Oil Consumption.

When the burner is installed in the front, complete combustion is assured in the combustion chamber and the entire fire box of the boiler is exposed to the radiant heat. The flames and hot gases are then twisted five times through the length of the boiler. In these travels they pass over and around the numerous fins cast as an integral part of the section. A low stack and consequent high efficiency are thus assured. Firing from the front, furthermore, makes the burner readily accessible for service.

To utilize thoroughly the heat developed by the OilMaster and to prevent wastage in the cellar, the enameled jacket is lined with one inch, four-ply air cell asbestos, on top and on the four sides, from the top of the Boiler to the floor. These are details, but they go to make a better boiler and added together they spell Economy and Comfort.

It Is Easy To Install and Service.

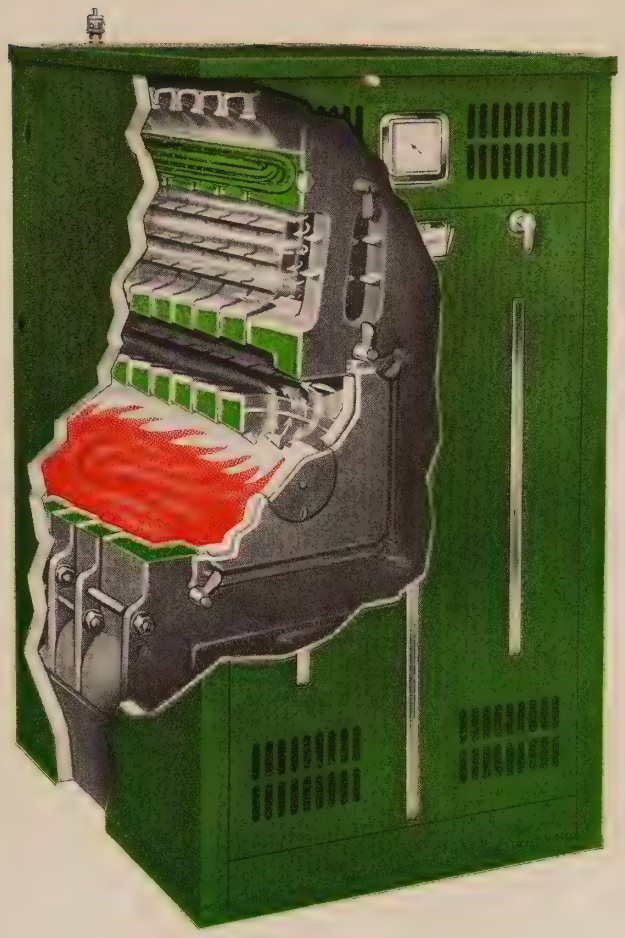
For easy installation and handling, the OilMaster is constructed in sections, the largest of which weighs about 270 pounds. The narrowest doors or winding stairs are no problem to the installer of this Boiler.

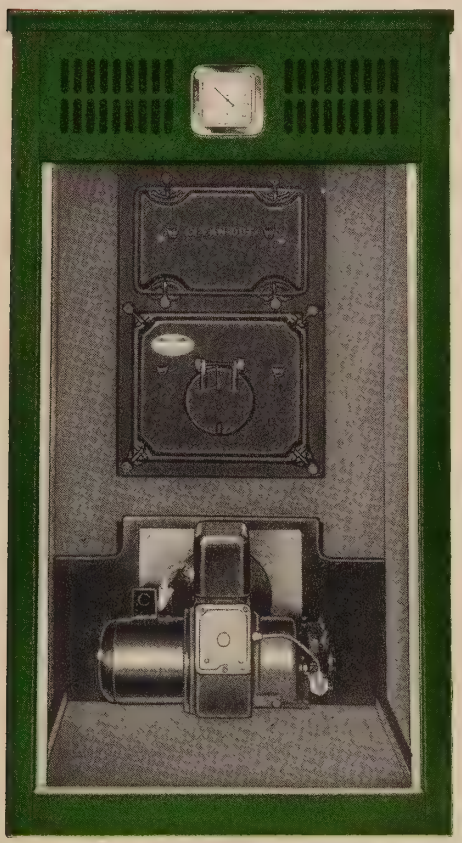
In setting up the "Series A" OilMaster, it is possible to erect the back and all the intermediate sections first, then build the combustion chamber and after it is finished set the front section in place. You will appreciate the ease with which the combustion chamber can be built without working through a service door.

The tongue and groove joints on the sections form a perfectly tight, permanent seal and obviate the necessity of cementing the Boiler after it is erected. Each section is cemented before it is set in place. This makes a better joint and eliminates the inconvenience of reaching in and around the sections to cement them. The individual draw-up rods are very easily drawn up and assure the sections being perfectly true.

Check These Modern Features

1. Front Firing—Easy access to oilburner.
2. Five-Way Fire Travel—The gases weave back and forth five times through the boiler producing the maximum results for the minimum fuel.
3. Extended Fins—More heating surface to absorb the heat-units.
4. Gasket Fitted Doors—Tight, leak-proof fit. Each corner firmly fastened.
5. Asbestos Insulation—On four sides and top. Keeps the heat where it belongs.
6. Tongue and Groove Joints—Air-tight fit between the sections. No leaks and no chance of short circuiting the fire travel.
7. Internal Hot Water—To be used with a storage tank. Produces plenty of hot water in winter and summer.
8. Tankless Hot Water Heater—Saves cost of storage tank. Year-round supply of hot water.
9. Individual Draw-up Rods—Easy to assemble and draw up the sections.
10. Extended Casing—Conceals and protects the oilburner. Everything under one cover.





Showing Installation with Typical Oilburner

A Concealed Tankless Heater Can Be Furnished

And now we come to the outstanding feature of the new OilMaster—the Tankless Heater inside the back section of the Boiler! If you wish to avoid the installation cost of a separate hot water storage tank, just order your OilMaster with the Tankless Heater. Plenty of piping hot water for one or two bath-rooms and it comes from the many lengths of copper tubing inserted inside the boiler. By building the Tankless Heater on the vertical principle we get an unusually rapid circulation and ample supply of good hot water. Labor, pipe and fittings, storage tank and time—all are saved by ordering the Tankless Heater with the new "Series A" OilMaster Boiler.

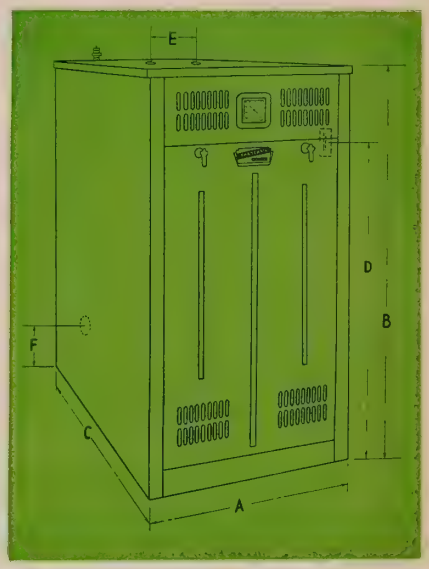
Engineering Data And Capacities

Ratings shown are for actual amount of standing cast iron Radiation. An allowance of 25% for covered piping and an additional 25% for pick-up has already been made. When an internal domestic hot water heater is used one (1) square foot per gallon on steam systems and two (2) square feet per gallon on hot water systems must be deducted from the rated capacity to secure the standing Radiation load the Boiler will carry. For Tankless Heater allow 50 feet per bathroom for steam or 80 feet per bathroom for water. We do not recommend the Tankless Heater for use with more than two bathrooms or for localities where excessive lime is present in the water.

STEAM		WATER			STEAM AND WATER				
Boiler Number	Installed Radiation Load Sq. Ft.	Boiler Number	Installed Radiation Load Sq. Ft.	Average oil Consumption per hour to maintain rated capacity, lbs.	Recommended floor size combustion chamber, In.	Recommended Draft in Stack	Recommended Draft in Combustion chamber	Water Capacity to water line, lbs.	Largest size water heater
015-AS	335	015-AW	535	9.5	13 x 15	.04	.02	160	30-40
016-AS	410	016-AW	655	11.5	13 x 17	.045	.02	183	40-50
017-AS	485	017-AW	775	13.4	14½ x 16½	.05	.02	206	40-50
018-AS	560	018-AW	895	15.2	14½ x 18	.055	.02	229	60-80
019-AS	635	019-AW	1015	16.9	14½ x 19½	.06	.02	252	60-80
020-AS	710	020-AW	1135	18.5	14½ x 21	.065	.02	275	80-100

Boiler Number	A	B	C	D	E	F
015-A	28	54	44⅝	46	14	15
016-A	28	54	48⅝	46	18	15
017-A	28	54	52⅝	46	22	15
018-A	28	54	56⅝	46	26	15
019-A	28	54	60⅝	46	30	15
020-A	28	54	64⅝	46	34	15

2 Flow Tappings, (all sizes) 3 inches.
2 Return Tappings, (all sizes) 3 inches.
Diameter Smoke Pipe, (all sizes) 9 inches.
Floor to Center Smoke Pipe, (all sizes) 39¾ inches.



Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

A.I.A. FILE NO. 30-C-14

The New Fifty Series

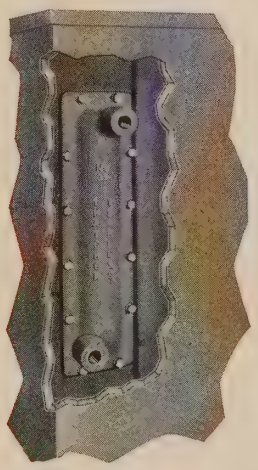
Thatcher "Red King"

OIL BURNING BOILERS

The "Red King" Boiler is designed to allow the efficient use of oil in homes of moderate size. Instead of having to take a wastefully-large heater, the owner can have a "Red King" of the exact size required. The Boiler is made in three sizes to carry 280, 340 and 400 sq. ft., respectively, of direct steam radiation. It provides a completely-enclosed unit with burner, controls and trim concealed under an enamel, steel, insulated jacket. Cast-iron fins on the sections extend the heating surface and absorb the heat-units from the gases of combustion.

DESIGNED FOR OIL

This special construction for oil makes the "Red King" as economical in operation as it is in original installation. Tappings are provided for the aquastat, stack-control and submerged low water cut-off. Another advantage of the "Red King", from the steam fitter's point of view, is that the boiler can be assembled and the piping connected before putting on the jacket. This makes it easy to keep the jacket fresh and clean.



With Built-In Tankless Heater

Recent research has made it possible to incorporate a remarkable feature in the new Fifty Series "Red King" Boiler. If specified when the boiler is ordered a built-in tankless heater to supply domestic hot water can be furnished in the rear section of the Boiler. It is not necessary to have a separate storage tank for hot water. A group of copper coils is inserted at a point where the heat from the Boiler reaches its maximum. The expense in labor and material of the ordinary storage-tank can be avoided.

As an alternative, a smaller internal water-heater, running through the top nipple hole of the "Red King", can be provided for use with a storage-tank.

STEAM		WATER		STEAM and WATER					
Boiler No.	Installed Radiation Load Sq. Ft.	Boiler No.	Installed Radiation Load Sq. Ft.	Average Oil Consumption Per Hr. to Maintain Rated Capacity	Recommended Floor Size, Combustion Chamber	Recommended Draft in Combustion Chamber	Supply Tappings Number and Size. Inches	Return Tappings Number and Size. Inches	Largest Size Water Heater
055-S	280	055-W	435	8 lbs.	12" x 14"	.02	2-3	2-3	#1—30-40
056-S	340	056-W	535	9.7 lbs.	13" x 15"	.02	2-3	2-3	#2—40-50
057-S	400	057-W	635	11.4 lbs.	13" x 17"	.02	2-3	2-3	#2½—50-66

The New Fifty Series

Thatcher "Red King"

OIL BURNING BOILERS

Boiler with Service Door Removed

The sides, back and top of the "Red King" jacket are thoroughly insulated with three-ply asbestocel. Even the front of the boiler in the burner cabinet is wrapped in insulation. This fact plus the grilles in the burner cabinet keeps the burner from being stifled by overheated air.

The cleanout door is fitted with an iron baffle and the service door is lined with protective brick. Both doors are set in the front section with an asbestos gasket.

Individual draw-up rods assure quick and easy assembly of the sections as well as true fit. The large door in the burner-cabinet allows plenty of room for inspection of the burner.

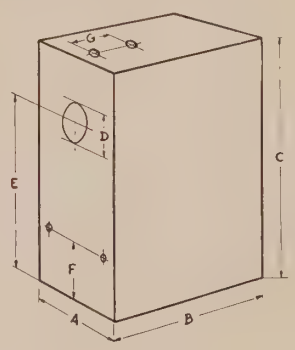
RATINGS

Ratings shown are for actual amount of standing cast iron Radiation. An allowance of 25% for covered piping and an additional 25% for pick-up has already been made. When an internal domestic hot water heater is used one (1) square foot per gallon on steam systems and two (2) square feet per gallon on hot water systems must be deducted from the rated capacity to secure the standing Radiation load the Boiler will carry.

When the tankless heater is furnished deduct 50 ft. per bathroom for steam or 80 ft. per bathroom for water. The tankless heater has a capacity of 180 gallons per hour at 180°F. boiler-water temperature.

Dimensions

Boiler Number	A	B	C	D	E	F	G
055	27½"	44½"	48"	9"	34"	9"	14"
056	27½"	48½"	48"	9"	34"	9"	18"
057	27½"	52½"	48"	9"	34"	9"	22"



Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

THATCHER "OILBURNER"

Oil Burning Boiler

Especially For Large Installations

There has long been a need for an oil burning boiler for larger installations. The Thatcher "Series 20" OilMaster Boiler is ideal for the average installation, but for jobs of over one thousand feet of steam radiation, the Thatcher "OilBurner" Boiler will be most welcome. Manufactured in five sizes, this boiler will carry a standing load of steam radiation of up to two thousand and seventy-five feet.

The Casing of the Thatcher "OilBurner" Boiler is enameled with a green, wrinkle finish. The exposed cast iron parts are a darker green and the trimmings of chrome. The appearance is particularly attractive and the boiler very easy to keep clean.

A large, removable casing panel is provided in the front and the service door behind this gives free access to the interior of the fire box. Installation men will appreciate the ease with which the combustion chamber can be built through this door. The lower base panel is semi-punched for either a four or five inch burner draft tube. By reversing the top and bottom of this panel, the burner nozzle can be installed at exactly the correct height from the bottom of the combustion chamber.

DESIGNED TO BURN OIL EFFICIENTLY

Every real oil-burning boiler must be designed with certain fundamental principles in mind.

Oil burns with an intense heat, and provisions must be made to assure the absorption of this heat by the cast iron. The Thatcher "OilBurner" Boiler is designed with low-hanging water ways exposed directly to the intense heat of the burning oil. Quick steaming and rapid circulation of water are the results.

It is also important to retain the gases and other products of combustion in the boiler until all of their heat units have been absorbed by the heating surface. Long back and forth fire travel with an exceptional amount of heating surface are featured in the Thatcher "OilBurner" Boiler. The high efficiency of the boiler is, therefore, assured.

DIMENSIONS AND CAPACITIES

STEAM

Boiler Number	*Installed radiation sq. ft.	Average oil consumption per hr. to maintain rated capacity, lbs.	Recommended floor size combustion chamber, in.	Height water line, inches	Diameter smoke pipe, inches	Flows No. and size, inches	Returns No. and size, inches
045-S	1175	34.2	19 x 22	49	12	2-4	2-4
046-S	1400	40.6	19 x 26	49	12	2-4	2-4
047-S	1625	46.5	19 x 30	49	12	2-4	2-4
048-S	1850	50.5	19 x 33	49	12	2-4	2-4
049-S	2075	56.8	19 x 36	49	12	2-4	2-4

WATER

Boiler Number	*Installed radiation sq. ft.	Average oil consumption per hr. to maintain rated capacity, lbs.	Recommended floor size combustion chamber, in.	Diameter smoke pipe, inches	Flows No. and size, inches	Returns No. and size, inches
045-W	1875	34.2	19 x 22	12	2-4	2-4
046-W	2250	40.6	19 x 26	12	2-4	2-4
047-W	2625	46.5	19 x 30	12	2-4	2-4
048-W	3000	50.5	19 x 33	12	2-4	2-4
049-W	3375	56.8	19 x 36	12	2-4	2-4

The Thatcher "OilBurner" Boiler is tapped for installation of external water heat, when so ordered. *Boiler ratings shown are for actual amount of standing cast iron Radiation. An allowance of 25% for covered piping and an additional 25% for pick-up has already been made. When a domestic hot water heater is used two (2) square feet per gallon on steam systems and three (3) square feet per gallon on hot water systems must be deducted from the rated capacity to secure the standing Radiation load the boiler will carry.

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

THATCHER

De Luxe Sectional
BOILERS
For Coal or Oil Fuel

DE LUXE SECTIONAL BOILERS

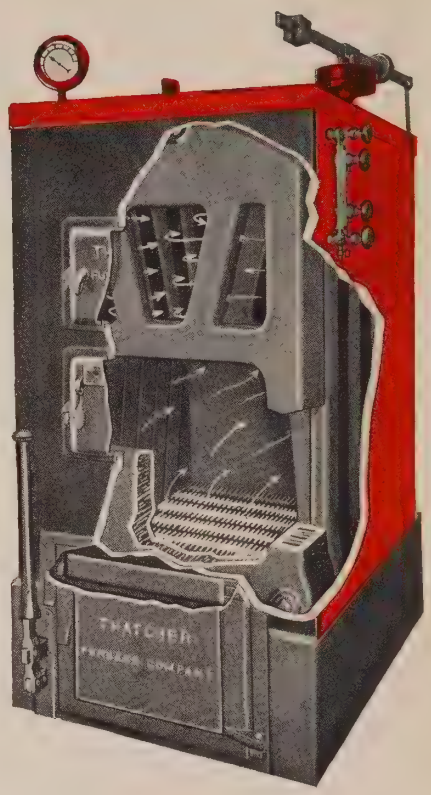
Jacketed or Unjacketed

HIGHEST DEGREE OF EFFICIENCY

The Thatcher De Luxe Sectional Boiler provides an abundance of heat in the most efficient and economical way possible. The triple fire travel principle brings the full power of the volatile gases into contact with the cast iron so that the water circulates in the boiler with unusual rapidity. In a hot water system, this means rapid circulation of the water in the radiators and in a steam system quick generation of steam. In either case the result is almost immediate heat throughout the house.

The Thatcher De Luxe Boiler is also easy to operate. The fire box is exceptionally deep to accommodate a sufficient charge of fuel to last for several hours, eliminating the annoyance of frequent firing. The automatic damper regulator keeps the fire burning evenly so that it is not necessary to constantly adjust the drafts.

The grates are operated by a waist-high shaker, another feature which adds to the ease of operation.

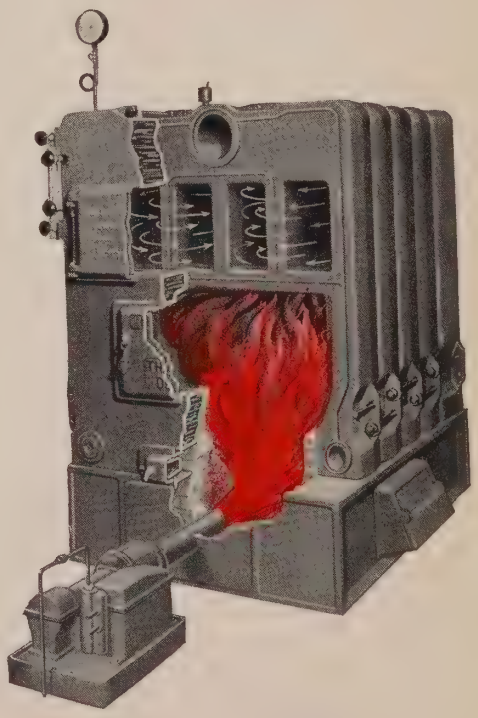


18" Series, De Luxe Boiler
Jacketed—For Coal

THATCHER TRIPLE FIRE TRAVEL

To produce the utmost fuel economy, it is necessary to retain the hot gases and other products of combustion in the boiler until all their heat units have been utilized. In the Thatcher De Luxe Boiler this is accomplished by a triple fire travel construction which forces them to pass three times from one end of the boiler to the other until all the heat units have been absorbed by the cast iron heating surfaces, and then by the water in the boiler.

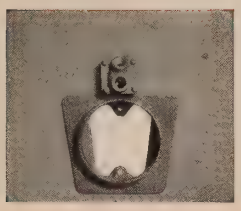
The construction of the sections is such that the flames and hot gases are forced first under the crown sheet to the rear of the boiler. They then pass through the two side flues above the crown sheet to the front where they are united and travel through the large center flue to the smokehood at the rear. By this design Thatcher Engineers have produced the "triple fire travel principle" and a saving in fuel for thousands of home-owners.



26" Series, De Luxe Boiler
Unjacketed—For Oil

THE INTERNAL WATER HEATER

For Use With
No. 1 Series De Luxe



Use a Modern Internal Heater for domestic hot water and save piping, time and money. A neater job and more hot water are assured with this new Thatcher heater.

THE NEW THATCHER TANKLESS HEATER

The latest feature of modern heating is the new Thatcher Tankless Heater which slips inside the back section of the No. 1 Series De Luxe Boiler for oil. The multiple lengths of copper coil will supply ample domestic hot water for homes containing one or two bath-rooms. The result of this improvement is not only increased efficiency but a compact, self-contained heating unit with everything under the jacket. The expense of a separate storage-tank, as well as of labor, pipe and fittings required to install it is entirely eliminated.

FOR WINTER ONLY—Heaters 5 to 10 inclusive are for Coal-Fired Steam Boilers for Winter hot water only. Capacity based on boiler water temperature at 212°.

No.	Capacity Gallons	Used In	Length of Tubes	No. of Tubes	Size Tappings, Inches
5	40	All sizes	15	2	¾
6	66	176 BS or 62-S up	23¾	2	1
7	82	175 BS or 61-S up	18	3	1
8	100	177 BS or 63-S up	26	3	1
9	120	178 BS or 64-S up	31	3	1
10	144	180 BS or 66-S up	39	3	1

FOR ALL-YEAR USE—Heaters 1 to 4 inclusive are for Oil-Fired Steam or Hot Water Boilers for Summer and Winter domestic hot water. Capacity based on boiler water temperature at 180°.

No.	Capacity Gallons	Used In	Length of Tubes	No. of Tubes	Size Tappings, Inches
1	30- 40	015, 061, 055, 0175 or larger	19	3	1
2	40- 50	016, 062, 056, 0176 or larger	23	3	1
2½	50- 66	017, 063, 057, 0177 or larger	27	3	1
3	60- 80	018, 064, 0178 or larger	31	3	1
4	80-100	020, 066, 0180 or larger	39	3	1

FOR COAL

STEAM

	Jacketed Boiler Number	Unjacketed Boiler Number	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Height of Water Line
No. 1 Series	175 B-S	Not Furnished	575	240	44"
	176 B-S		750	300	44"
	177 B-S		950	380	44"
	178 B-S		1150	460	44"
	179 B-S		1350	540	44"
	180 B-S		1550	620	44"
	181 B-S		1750	700	44"

	Jacketed Boiler Number	Unjacketed Boiler Number	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Height of Water Line
No. 2 Series	237-S	1237-S	1400	700	45¼"
	238-S	1238-S	1600	800	45¼"
	239-S	1239-S	1800	900	45¼"
	240-S	1240-S	2000	1000	45¼"
	241-S	1241-S	2200	1100	45¼"
	242-S	1242-S	2400	1200	45¼"
	243-S	1243-S	2600	1300	45¼"
No. 3 Series	266 T-S	1266 T-S	2300	1150	49"
	267 T-S	1267 T-S	2900	1450	49"
	268 T-S	1268 T-S	3500	1750	49"
	269 T-S	1269 T-S	4100	2050	49"
	270 T-S	1270 T-S	4700	2350	49"
	271 T-S	1271 T-S	5300	2650	49"

STEAM AND WATER

	Grate Area Sq. Ft	Diam. Smoke Pipe	Flows No. and Size	Returns No. and Size
No. 1 Series	1.95	9"	1-3"	2-3"
	2.48	9"	2-3"	2-3"
	2.95	9"	2-3"	2-3"
	3.55	9"	2-3"	2-3"
	3.98	9"	2-3"	2-3"
	4.43	9"	2-3"	2-3"
	4.90	9"	2-3"	2-3"

	Grate Area Sq. Ft.	Diam. Smoke Pipe	Flows No. and Size	Returns Size No. and
No. 2 Series	3.83	12"	2-4"	2-4"
	4.47	12"	2-4"	2-4"
	5.11	12"	2-4"	2-4"
	5.75	12"	2-4"	2-4"
	6.38	12"	2-4"	2-4"
	7.02	12"	2-4"	2-4"
	7.66	12"	2-4"	2-4"
No. 3 Series	4.8	12"	2-4"	2-4"
	6.3	12"	2-4"	2-4"
	7.8	12"	2-4"	2-4"
	9.2	12"	2-4"	2-4"
	10.7	12"	2-4"	2-4"
	11.2	12"	2-4"	2-4"

WATER

	Jacketed Boiler Number	Unjacketed Boiler Number	Rating Sq. Ft.	Installed Radiation Sq. Ft.
No. 1 Series	175 B-W	Not Furnished	950	380
	176 B-W		1200	480
	177 B-W		1520	610
	178 B-W		1840	740
	179 B-W		2160	870
	180 B-W		2480	995
	181 B-W		2800	1120

	Jacketed Boiler Number	Unjacketed Boiler Number	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.
No. 2 Series	237-W	1237-W	2240	1120
	238-W	1238-W	2560	1280
	239-W	1239-W	2880	1440
	240-W	1240-W	3200	1600
	241-W	1241-W	3520	1760
	242-W	1242-W	3840	1920
	243-W	1243-W	4160	2080
No. 3 Series	266 T-W	1266 T-W	3680	1850
	267 T-W	1267 T-W	4640	2325
	268 T-W	1268 T-W	5600	2800
	269 T-W	1269 T-W	6560	3300
	270 T-W	1270 T-W	7520	3775
	271 T-W	1271 T-W	8480	4250

FOR OIL

STEAM

	Jacketed Boiler Number	Unjacketed Boiler Number	Installed Radiation Sq. Ft.	Height of Water Line
No. 1 Series	0175 B-S	Not Furnished	260	44"
	0176 B-S		310	44"
	0177 B-S		360	44"
	0178 B-S		410	44"
	0179 B-S		460	44"
	0180 B-S		510	44"
	0181 B-S		560	44"
	0182 B-S		610	44"
No. 2 Series	0237-S	01237-S	525	45¼"
	0238-S	01238-S	600	45¼"
	0239-S	01239-S	675	45¼"
	0240-S	01240-S	750	45¼"
	0241-S	01241-S	825	45¼"
	0242-S	01242-S	900	45¼"
	0243-S	01243-S	975	45¼"
No. 3 Series	0266 T-S	01266 T-S	800	49"
	0267 T-S	01267 T-S	980	49"
	0268 T-S	01268 T-S	1160	49"
	0269 T-S	01269 T-S	1340	49"
	0270 T-S	01270 T-S	1520	49"
	0271 T-S	01271 T-S	1700	49"

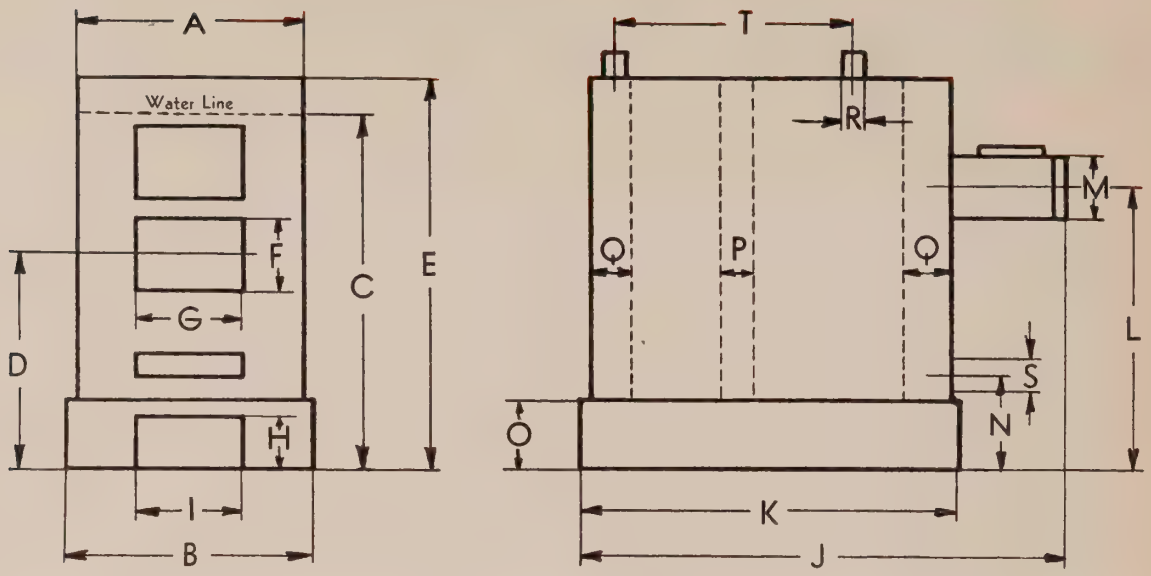
STEAM AND WATER

	Grate Area Sq. Ft.	Diam. Smoke Pipe	Flows No. and Size	Returns No. and Size
No. 1 Series	1.95	9"	1-3"	2-3"
	2.48	9"	2-3"	2-3"
	2.95	9"	2-3"	2-3"
	3.55	9"	2-3"	2-3"
	3.98	9"	2-3"	2-3"
	4.43	9"	2-3"	2-3"
	4.90	9"	2-3"	2-3"
	5.36	9"	2-3"	2-3"
No. 2 Series	3.83	12"	2-4"	2-4"
	4.47	12"	2-4"	2-4"
	5.11	12"	2-4"	2-4"
	5.75	12"	2-4"	2-4"
	6.38	12"	2-4"	2-4"
	7.02	12"	2-4"	2-4"
	7.66	12"	2-4"	2-4"
No. 3 Series	4.8	12"	2-4"	2-4"
	6.3	12"	2-4"	2-4"
	7.8	12"	2-4"	2-4"
	9.2	12"	2-4"	2-4"
	10.7	12"	2-4"	2-4"
	11.2	12"	2-4"	2-4"

WATER

	Jacketed Boiler Number	Unjacketed Boiler Number	Installed Radiation Sq. Ft.
No. 1 Series	0175 B-W	Not Furnished	420
	0176 B-W		500
	0177 B-W		580
	0178 B-W		660
	0179 B-W		740
	0180 B-W		820
	0181 B-W		900
	0182 B-W		980
No. 2 Series	0237-W	01237-W	850
	0238-W	01238-W	970
	0239-W	01239-W	1090
	0240-W	01240-W	1210
	0241-W	01241-W	1330
	0242-W	01242-W	1450
	0243-W	01243-W	1570
No. 3 Series	0266 T-W	01266 T-W	1300
	0267 T-W	01267 T-W	1590
	0268 T-W	01268 T-W	1880
	0269 T-W	01269 T-W	2170
	0270 T-W	01270 T-W	2460
	0271 T-W	01271 T-W	2750

DIMENSIONS OF DE LUXE BOILERS



Boiler No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	39	23	37 1/2	9	12 1/2	10	4	6	3	3	14 1/8
176	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	43	27	37 1/2	9	12 1/2	10	4	6	3	3	18 1/8
177	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	47	31	37 1/2	9	12 1/2	10	4	6	3	3	22 1/8
178	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	51	35	37 1/2	9	12 1/2	10	4	6	3	3	26 1/8
179	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	55	39	37 1/2	9	12 1/2	10	4	6	3	3	30 1/8
180	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	59	43	37 1/2	9	12 1/2	10	4	6	3	3	34 1/8
181	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	63	47	37 1/2	9	12 1/2	10	4	6	3	3	38 1/8
182	25 1/4	25 3/4	44	26 1/2	51 1/2	8	13 3/4	15 3/4	16 1/2	67	51	37 1/2	9	12 1/2	10	4	6	3	3	42 1/8
237	33	33 1/2	45 1/4	28 1/4	56 1/4	10 1/2	16 1/2	10 1/2	16 1/2	52	31	42	12	15 1/8	12 1/2	*4-8	8	4	4	12 5/8
238	33	33 1/2	45 1/4	28 1/4	56 1/4	10 1/2	16 1/2	10 1/2	16 1/2	56	35	42	12	15 1/8	12 1/2	*4-8	8	4	4	12 5/8
239	33	33 1/2	45 1/4	28 1/4	56 1/4	10 1/2	16 1/2	10 1/2	16 1/2	60	39	42	12	15 1/8	12 1/2	*4-8	8	4	4	16 5/8
240	33	33 1/2	45 1/4	28 1/4	56 1/4	10 1/2	16 1/2	10 1/2	16 1/2	64	43	42	12	15 1/8	12 1/2	*4-8	8	4	4	20 5/8
241	33	33 1/2	45 1/4	28 1/4	56 1/4	10 1/2	16 1/2	10 1/2	16 1/2	68	47	42	12	15 1/8	12 1/2	*4-8	8	4	4	24 5/8
242	33	33 1/2	45 1/4	28 1/4	56 1/4	10 1/2	16 1/2	10 1/2	16 1/2	72	51	42	12	15 1/8	12 1/2	*4-8	8	4	4	28 5/8
243	33	33 1/2	45 1/4	28 1/4	56 1/4	10 1/2	16 1/2	10 1/2	16 1/2	76	55	42	12	15 1/8	12 1/2	*4-8	8	4	4	32 5/8
266	44	44 3/4	49	29 1/4	59 3/4	10	18	10	16 1/2	52 1/4	30	43	12	15 1/2	12 1/2	7 1/2	6	4	4	7 1/8
267	44	44 3/4	49	29 1/4	59 3/4	10	18	10	16 1/2	59 3/4	37 1/2	43	12	15 1/2	12 1/2	7 1/2	6	4	4	15 3/8
268	44	44 3/4	49	29 1/4	59 3/4	10	18	10	16 1/2	67 1/4	45	43	12	15 1/2	12 1/2	7 1/2	6	4	4	22 7/8
269	44	44 3/4	49	29 1/4	59 3/4	10	18	10	16 1/2	74 3/4	52 1/2	43	12	15 1/2	12 1/2	7 1/2	6	4	4	30 3/8
270	44	44 3/4	49	29 1/4	59 3/4	10	18	10	16 1/2	82 1/4	60	43	12	15 1/2	12 1/2	7 1/2	6	4	4	37 7/8
271	44	44 3/4	49	29 1/4	59 3/4	10	18	10	16 1/2	89 3/4	67 1/2	43	12	15 1/2	12 1/2	7 1/2	6	4	4	45 3/8

*4" single section—8" double section

Thatcher Furnace Company

Your Warm Friend Since 1850

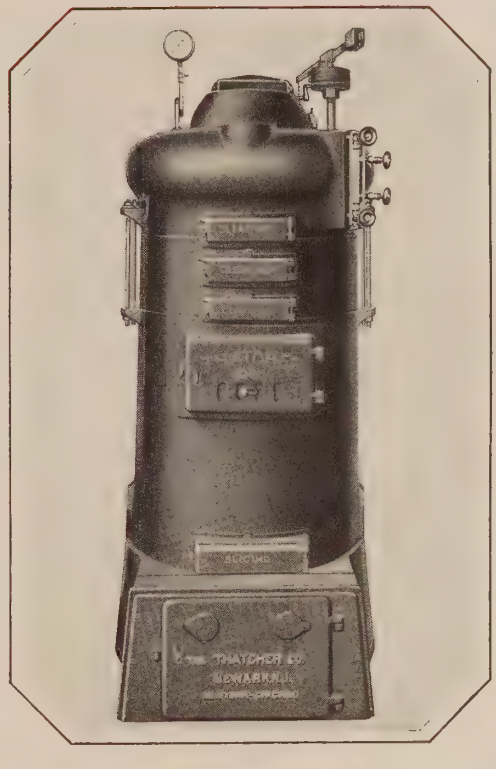
Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

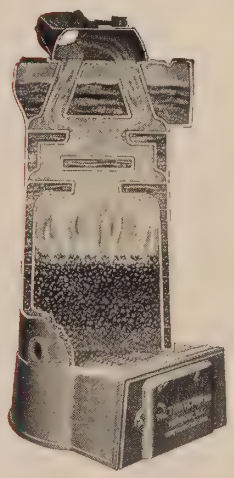
THATCHER ROUND BOILERS

THE Thatcher Round Boiler is especially efficient in the rapid circulation of water and the quick generation of steam. The deep fire pot with a crown sheet cast in it, the large waterways, four flues through the dome and "Staggered Fire Travel" all contribute toward this end.

Because of the automatic regulator, easily operated, triangular grates and deep fire pot it is not necessary to constantly adjust and fire this Thatcher Boiler. It will hold enough fuel to last for many hours and the draft control is automatic. When oil is used, the boiler operates particularly well, because of the long "Staggered Fire Travel".



FEATURES of ROUND BOILER



Open View Showing Staggered Fire Travel

1. STAGGERED FIRE TRAVEL forces flame and hot gases to travel under, over and around thin layers of water, before they escape up the flue. This means quicker and greater heat, and economy in fuel consumption.
2. CROWN SHEET cast into firepot so that the direct fire strikes it and produces quick and even circulation.
3. DOUBLE WHEEL SECTION facilitates erection of boiler.
4. LARGE FEED DOOR makes firing easy and all points of firepot accessible.
5. STEAM DOME. Extra large space in steam dome means quick, dry steam and rapid travel through radiators.
6. WATERWAYS are extremely well proportioned to produce rapid circulation, quick steaming and a steady water line.
7. WATER PORTS directly above waterways give quicker circulation.
8. FOUR SLANTING FLUES in dome break up the waterways and give more heating surface.
9. UNUSUALLY DEEP FIREPOT, requires very few firings and permits proper banking over night.

DIMENSIONS AND CAPACITIES

STEAM					STEAM and WATER			WATER				
No.	Rating, Square Feet	Advised Load, Sq. Ft. E. D. R.	Height to Top Outlet, Inches	Height to Water Line, Inches	Flow Openings, Inches	Grate Area, Sq. Ft.	Dia. Smoke Pipe, Inches	Return Openings, Inches	No.	Rating, Square Feet	Advised Load, Sq. Ft. E. D. R.	Height to Top Outlet, Inches	Flow Openings, Inches
117-S	350	175	48 1/4	42 1/4	1-2 1/2	1.39	8	2-2 1/2	117-W	600	300	44 1/4	2-2 1/2
217-S	400	200	53 1/4	47 1/4	1-2 1/2	1.39	8	2-2 1/2	217-W	700	350	49 1/4	2-2 1/2
317-S	450	225	57 1/4	51 1/4	1-2 1/2	1.39	8	2-2 1/2	317-W	800	400	53 1/4	2-2 1/2
119-S	500	250	49 1/2	43 1/2	1-3	1.77	8	2-2 1/2	119-W	900	450	45 1/4	2-3
219-S	600	330	54 1/2	48 1/2	1-3	1.77	8	2-2 1/2	219-W	1000	500	50 1/4	2-3
319-S	650	325	58 1/2	52 1/2	1-3	1.77	8	2-2 1/2	319-W	1100	550	54 1/4	2-3
120-S	700	350	51 1/4	45 1/4	1-3	2.18	8	2-3	120-W	1200	600	46 1/2	2-3
220-S	800	400	56 1/4	50 1/4	1-3	2.18	8	2-3	220-W	1300	650	51 1/2	2-3
320-S	850	425	60 1/4	54 1/4	1-3	2.18	8	2-3	320-W	1400	700	55 1/2	2-3
123-S	950	475	53 1/2	47 1/2	2-4	2.90	9	2-3	123-W	1500	750	48 3/4	2-4
223-S	1050	525	58 1/2	52 1/2	2-4	2.90	9	2-3	223-W	1650	825	53 3/4	2-4
323-S	1100	550	62 1/2	56 1/2	2-4	2.90	9	2-3	323-W	1800	900	57 3/4	2-4
126-S	1200	600	54	48	2-4	3.69	9	2-4	126-W	1950	975	49 1/4	2-4
226-S	1300	650	59	53	2-4	3.69	9	2-4	226-W	2150	1075	54 1/4	2-4
326-S	1400	700	63	57	2-4	3.69	9	2-4	326-W	2350	1175	58 1/4	2-4
129-S	1500	750	55 1/2	49 1/2	2-4	4.55	10	2-4	129-W	2550	1275	51	2-4
229-S	1600	800	60 1/2	54 1/2	2-4	4.55	10	2-4	229-W	2750	1375	56	2-4
329-S	1700	850	64 1/2	58 1/2	2-4	4.55	10	2-4	329-W	2950	1475	60	2-4

THATCHER ROUND BOILERS FOR OIL

THE illustration at the right shows how the flames and hot gases stagger back and forth and strike directly on the water heating surfaces. The maximum number of heat units are absorbed and the minimum amount of fuel is consumed. The heavy castings of these boilers assure excellent results with oil firing.

STEAM			WATER		
Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.
0217-S	400	240	0217-W	700	420
0317-S	450	270	0317-W	800	480
0219-S	600	360	0219-W	1000	600
0319-S	650	390	0319-W	1100	660
0220-S	800	480	0220-W	1300	780
0320-S	850	510	0320-W	1400	840
0223-S	1050	630	0223-W	1650	990
0323-S	1100	660	0323-W	1800	1080
0226-S	1300	780	0226-W	2150	1290
0326-S	1400	840	0326-W	2350	1410
0229-S	1600	960	0229-W	2750	1650
0329-S	1700	1020	0329-W	2950	1770

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

A.I.A. FILE NO. 30-C-14

For Churches

For Large Dwellings

THATCHER

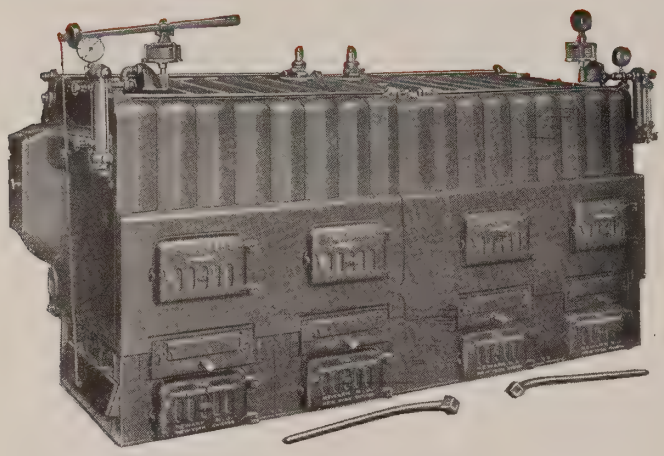
Progress

BOILERS

For Apartments

For Office Buildings

THATCHER PROGRESS BOILER



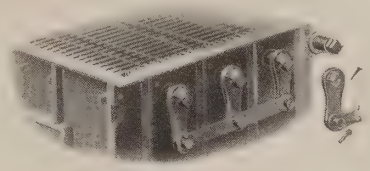
Thatcher Furnace Company has been making Heating Equipment since 1850 and markets only thoroughly high grade and tested products. Among these, none ranks higher than the Progress Boiler. The principle of the Progress is the unique circulation of the water in sloping, triangular sections which causes it to rise directly over the hottest part of the fire. No type of construction has ever been designed to secure greater efficiency. Approximately 65% of the heating surface in the Progress Boiler is "prime" surface, so-called because that portion of the water-ways is directly impinged upon by the radiant heat of the fire. These water-ways overhang the fire and because of their sloping construction expose the maximum prime heating-surface.

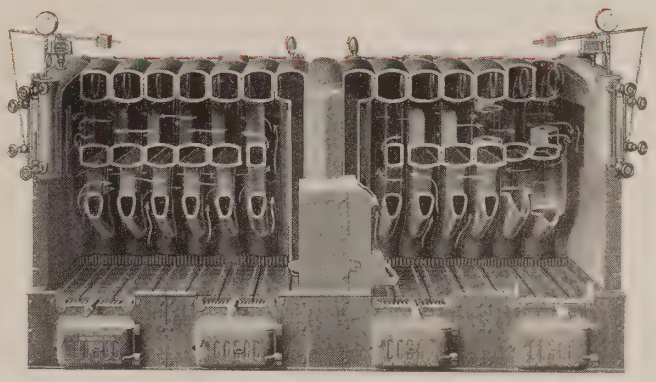
Cast iron construction insures long life to the Progress. In our many years experience we have experimented with other metals, particularly steel, but we have always returned to cast iron as the most durable and dependable material for a low-pressure boiler. Furthermore, the use of cast iron permits building the heater in sections which makes it easier to handle and install. Even the largest Progress can be carried in sections through the ordinary door-way. The Progress Boiler is designed with a high ratio of heating surface to grate area. Every available heat-unit is transmitted to the sections of the boiler. This feature, as well as the type of water circulation, makes the Progress economical to operate. Another advantage of this boiler is the ample clean-out doors, allowing easy access for thorough cleaning. There are no lengthy, inaccessible tubes to act as soot-traps and cut down efficiency. The side-feed design, too, allows a short grate, every part of which is accessible with a short handled shovel. This eliminates the awkward long handled stoker which requires so much room to manipulate. It also prevents any part of the fire bed from accumulating dead ashes and reducing the efficiency of the boiler.

The large Progress shown to the left has thirty-two sections and easily carries a rating of 13,800 sq. ft. of equivalent direct steam radiation or 22,800 sq. ft. in water. A large and powerful boiler but yet, because of the design, easily and efficiently handled.

STURDY—STRONG—EFFICIENT

The grates are furnished in the flat, heavy-trussed style with properly proportioned air-space for the burning of the smaller sizes of anthracite or the lower grades of bituminous coal. All grate shaker connections are entirely outside the ashpit to avoid the least possibility of warping.

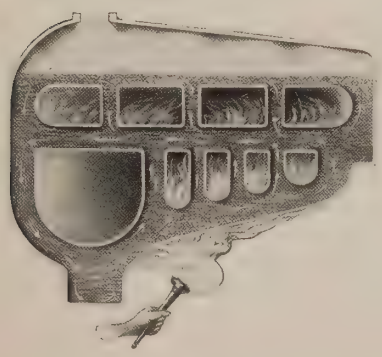




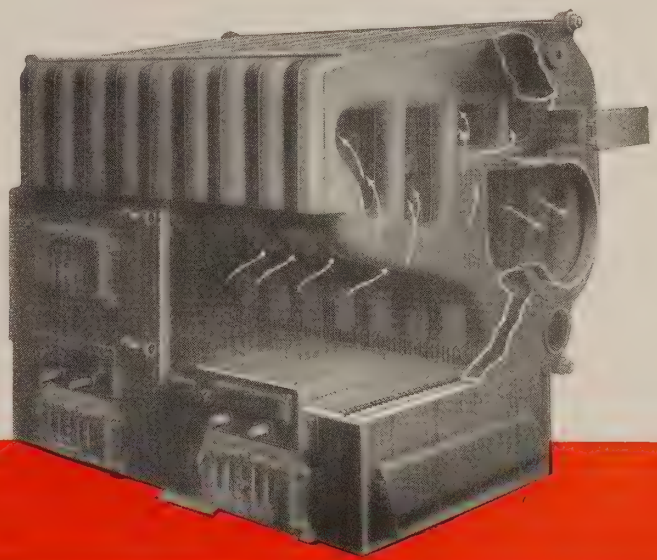
The speedy circulation of the water in the sections of the Progress Boiler means quicker heating and lower operating cost. The slanted waterways over the fire causes the heated water to rise rapidly and establishes fast circulation. Each one of the three determining principles of boiler efficiency—water circulation, fire-travel and firebox capacity—are emphasized in the Progress. The cutaway view below, for instance, shows the long fire-travel. The gases of combustion rise around the overhanging tubes and pass through the small openings to one end of the boiler; here, they are baffled and forced up and back through the secondary combustion chamber to the reverse end of the boiler where they dive down into the large tertiary passage and again travel the length of the boiler before emerging at the smokepipe. These three complete trips through the boiler assure the extraction of every heat unit from the fuel and products of combustion.

The Progress Boiler is so constructed that it has a very generous grate area and hence the economical feature of slow combustion. This causes a large, even fire-bed. The fuel in the Progress can be so banked at night or the boiler so re-fueled during the day that the firing periods are unusually far apart, often reaching as high as ten to twelve hours, and the duties of the operator are at a minimum.

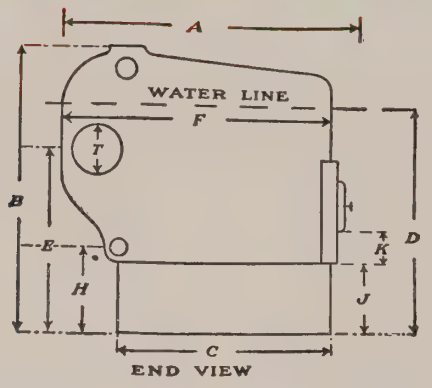
The Progress Boiler is built to last for many years. The doors are all heavy and carefully mounted, the ashpit is high to safeguard the grates and each and every part passes through a rigid factory test before shipping.



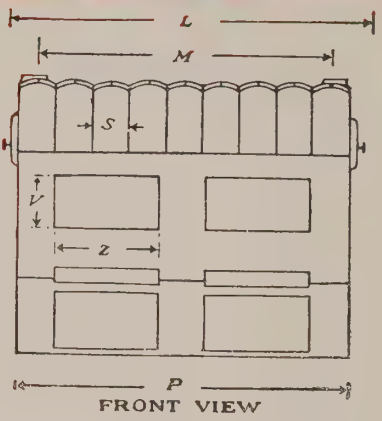
On the left is shown the principle of the "sloping section". Note how the flaming gases wrap around the narrow tubes. This construction is what makes the Progress so economical to operate. Every possible heat unit is absorbed as the gases of combustion weave back and forth through the passages.



Engineering Data And Capacities



DIMENSIONS



No.	A	B	C	D	E	F	H	J	K	L	M	P	S	T	V	Z
604	64	64	42	55	35	60	19¾	16	11	65¾	37¾	43½	7¼	18	10¾	16¼
704	64	64	42	55	35	60	19¾	16	11	73	45	50¾	7¼	18	10¾	16¼
804	64	64	42	55	35	60	19¾	16	11	80¼	52¼	58	7¼	18	10¾	16¼
904	64	64	42	55	35	60	19¾	16	11	87½	59½	65¼	7¼	18	10¾	16¼
1004	64	64	42	55	35	60	19¾	16	11	94¾	66¾	72½	7¼	18	10¾	16¼
1104	64	64	42	55	35	60	19¾	16	11	102	74	79¾	7¼	18	10¾	16¼
1204	64	64	42	55	35	60	19¾	16	11	109¼	81¼	87	7¼	18	10¾	16¼
1304	64	64	42	55	35	60	19¾	16	11	116½	88½	94¼	7¼	18	10¾	16¼
1404	64	64	42	55	35	60	19¾	16	11	123¾	95¾	101½	7¼	18	10¾	16¼

STEAM BOILERS						BOTH STEAM AND HOT WATER BOILERS						WATER BOILERS					
FOR COAL			FOR OIL									FOR COAL			FOR OIL		
Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Evaporative Power Pounds per Hour F. & A. 212	Boiler Horse Power	Heating Surface, Sq. Ft.	Grate Area, Sq. Ft.	Ratio Heating Surface to Grate Area	Flow and Returns, Inches	Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.
604-S	5000	2500				650	18.2	175.45	11.53	15.0	2-5	604-W	8000	4000			
704-S	5900	2950	0704-S	6500	3250	790	23.0	203.15	13.59	15.0	2-5	704-W	9500	4750	0704-W	10400	5200
804-S	6800	3400	0804-S	7500	3750	940	27.3	230.85	15.65	14.8	2-5	804-W	11000	5500	0804-W	12000	6000
904-S	7700	3850	0904-S	8500	4250	1110	32.3	262.03	17.71	14.6	2-5	904-W	12500	6250	0904-W	13600	6800
1004-S	8600	4300	01004-S	9500	4750	1280	37.3	284.10	19.77	14.4	2-5	1004-W	14000	7000	01004-W	15200	7600
1104-S	9500	4750	01104-S	10500	5250	1460	42.5	324.90	21.83	14.9	2-5	1104-W	15500	7750	01104-W	16800	8400
1204-S	10400	5200	01204-S	11500	5750	1660	48.0	353.06	23.89	14.8	2-5	1204-W	17000	8500	01204-W	18400	9200
1304-S	11300	5650	01304-S	12500	6250	1850	54.0	384.24	25.95	14.8	2-5	1304-W	18500	9250	01304-W	20000	10000
1404-S	12200	6100	01404-S	13500	6750	2050	59.5	415.41	28.01	14.9	2-5	1404-W	20000	10000	01404-W	21600	10800
1504-S	12300	6150	01504-S	13600	6800	1870	55.0	434.00	29.24	14.9	4-4&5	1504-W	20100	10050	01504-W	21700	10850
1604-S	13200	6600	01604-S	14600	7300	2040	59.5	461.70	31.30	15.0	4-4&5	1604-W	21600	10800	01604-W	23300	11650
1704-S	14100	7050	01704-S	15600	7800	2220	64.5	492.88	33.36	14.8	4-4&5	1704-W	23100	11550	01704-W	24900	12450
1804-S	15000	7500	01804-S	16600	8300	2400	69.5	524.06	35.42	14.8	4-4&5	1804-W	24600	12300	01804-W	26500	13250
1904-S	15900	7950	01904-S	17600	8800	2560	74.5	546.13	37.48	14.6	4-4&5	1904-W	26100	13050	01904-W	28100	14050
2004-S	16800	8400	02004-S	18600	9300	2740	79.5	568.20	39.54	14.4	4-4&5	2004-W	27600	13800	02004-W	29700	14850
2104-S	17700	8850	02104-S	19600	9800	2920	85.0	604.00	41.60	14.6	4-4&5	2104-W	29100	14550	02104-W	31300	15650
2204-S	18600	9300	02204-S	20600	10300	3100	90.5	649.80	43.66	14.9	4-4&5	2204-W	30600	15300	02204-W	32900	16450
2304-S	19500	9750	02304-S	21600	10800	3300	96.2	677.96	45.72	14.5	4-4&5	2304-W	32100	16050	02304-W	34400	17200
2404-S	20400	10200	02404-S	22600	11300	3500	102.0	706.12	47.78	14.8	4-4&5	2404-W	33600	16800	02404-W	36000	18000
2504-S	21300	10650	02504-S	23600	11800	3700	107.6	737.30	49.84	14.8	4-4&5	2504-W	35100	17550	02504-W	37600	18800
2604-S	22200	11100	02604-S	24600	12300	3900	114.0	768.48	51.90	14.8	4-4&5	2604-W	36600	18300	02604-W	39200	19600
2704-S	23100	11550	02704-S	25600	12800	4100	119.5	799.65	53.96	14.9	4-4&5	2704-W	38100	19050	02704-W	40800	20400
2804-S	24000	12000	02804-S	26600	13300	4250	124.0	830.82	56.02	14.9	4-4&5	2804-W	39600	19800	02804-W	42400	21200
2904-S	24900	12450	02904-S	27600	13800	4425	129.0	849.41	58.08	14.8	4-4&5	2904-W	41150	20550	02904-W	44000	22000

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

A. I. A. No. 30-C-1

THATCHER

BOILER RATINGS

The Thatcher
"Series 20"
OIL MASTER
Boiler

"Designed for Oil"

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. Market 3-4480 Murray Hill 2-0368 NEWARK, N. J.

To Our "Oil-Burner Friends"—

For your convenience we present this folder showing the ratings of various "Thatcher" Boilers, many of which are now obsolete. Thatcher Furnace Company has manufactured heaters since 1850 and during all those years thousands of "Thatchers" have been installed all over the country. It is not unusual for us to furnish repairs for heaters that have been in use for more than forty years, although the name and number of the heater has long since disappeared from our catalogues.

Accordingly, we appreciate the problem of the engineer who, selling automatic heat, must have information about a heater which may have been installed before he was born. Our thought in reprinting these ratings is to assist our friends in the Automatic Heating Industry. Thatcher Furnace Company is glad to welcome you to our field and to cooperate with you in every possible way.

Thatcher Furnace Company is proud to call to your attention our new "Series 20" OilMaster Boiler. This boiler is doubly fortunate in bearing an old and well-known name besides possessing features which make it highly efficient in operation, easy to install and unusually attractive in appearance.

Just look over the "OilMaster", as shown on the last page of this folder, and then compare it in prices with any other boiler genuinely designed for oil.

In conclusion, we want to emphasize our desire and ability to work with you. Our General Offices and foundries are in the Metropolitan New York area and we are represented by experienced sales-engineers in all territories. We hope that you will find this folder convenient and helpful—we have tried to make it so.

Sincerely,

THATCHER FURNACE COMPANY.

NOTE:

These ratings are approximate E.D.R. capacity. An "equivalent oil-burning boiler" is shown which may be used only if the total load on the old boiler does not exceed the E.D.R. Rating which we list in this folder. Furthermore, unless there is sufficient radiation in the building no boiler, however large, will be satisfactory.

Most Sectional Boilers, unless the largest of a particular series can be increased by one or more sections.

Most Round Boilers unless the largest of a particular grate area can be increased by one or more sections.

THERMAL BOILER—(1915-1917)

Number	E.D.R. Steam	E.D.R. Water	Grate Area	Thatcher Boiler Equivalent
416 or 11	175	300	1.39	015
516 or 12	200	350	1.39	015
616 or 12	225	400	1.39	015
420 or 21	350	600	2.18	016
520 or 22	400	650	2.18	016
620 or 23	425	700	2.18	016
424 or 31	475	750	3.07	017
524 or 32	525	825	3.07	018
624 or 33	550	900	3.07	018

Does Not Have Crown Sheet.

HIGRADE BOILER—(1911-1917)

Number	E.D.R. Steam	E.D.R. Water	Grate Area	Thatcher Boiler Equivalent
11-S or 110-W	175	300	1.39	015
12-S or 120-W	200	350	1.39	015
13-S or 130-W	225	400	1.39	015
21-S or 210-W	350	600	2.18	016
22-S or 220-W	400	650	2.18	016
23-S or 230-W	425	700	2.18	016
31-S or 310-W	475	750	3.07	017
32-S or 320-W	525	825	3.07	017
33-S or 330-W	550	900	3.07	018
34-S or 340-W	600	975	3.07	018

Does Not Have Crown Sheet.

THATCHER ROUND BOILER—(1915-1926)

Number	E.D.R. Steam	E.D.R. Water	Grate Area	Thatcher Boiler Equivalent
17-0-A	169	288	1.58	015
17-1-A	198	330	1.58	015
19-0-A	216	360	2.04	015
19-1-A	260	415	2.04	015
19-2-A	292	470	2.04	015
22-0-A	324	540	2.64	016
22-1-A	377	630	2.64	016
22-2-A	413	684	2.64	017
25-0-A	432	720	3.41	017
25-1-A	485	830	3.41	018
25-2-A	540	885	3.41	018
28-0-A	580	955	4.28	019
28-1-A	640	1080	4.28	019
28-2-A	720	1190	4.28	020

Has Crown Sheet.

THATCHER "END FEED" SECTIONAL BOILER (1921-1929)

18-4 or 14	300	500	2.75	015
18-5 or 15	375	625	3.47	015
18-6 or 16	450	750	4.19	016
18-7 or 17	525	875	4.91	017
— or 18	600	1000	5.63	019
26-5 or 25	800	1300	6.12	020
26-6 or 26	1050	1725	7.47	022
26-7 or 27	1300	2150	8.82	045
26-8 or 28	1550	2575	10.20	046
— 29	1800	3000	11.55	047

EMPIRE BOILER—(1905-1909)

32	175	300	1.40	015
33	200	350	1.40	015
42	350	450	2.04	016
43	400	500	2.04	016
52	475	750	2.64	017
53	525	825	2.64	017
62	600	975	3.41	018
63	650	1075	3.41	018

Has Crown Sheet.

THATCHER ROUND BOILER—(1927-Current)

1701 or 117	175	300	1.39	015
1702 or 217	200	350	1.39	015
1703 or 317	225	400	1.39	015
1901 or 119	250	450	1.77	015
1902 or 219	300	500	1.77	015
1903 or 319	325	550	1.77	016
2001 or 120	350	600	2.18	016
2002 or 220	400	650	2.18	016
2003 or 320	425	700	2.18	017
2301 or 123	475	750	2.90	017
2302 or 223	525	825	2.90	017
2303 or 323	550	900	2.90	018
2601 or 126	600	975	3.69	018
2602 or 226	650	1075	3.69	018
2603 or 326	700	1175	3.69	019
2901 or 129	750	1275	4.35	019
2902 or 229	800	1375	4.55	020
2903 or 329	850	1475	4.55	020

Has Crown Sheet.

THATCHER SECTIONAL BOILER (1897-1899-1905)

Number	E.D.R. Steam	E.D.R. Water	Grate Area	Thatcher Boiler Equivalent
15 or 25	525	860	4.0	017
16 or 26	650	1075	5.0	018
17 or 27	780	1300	6.0	019
18 or 28	910	1510	7.0	021
19 or 29	1040	1725	8.0	022
106 or 206	1170	1935	7.5	045
107 or 207	1415	2325	9.0	046
108 or 208	1660	2730	10.5	047
109 or 209	1900	3185	12.0	048
110 or 210	2145	3545	13.5	049
111 or 211	2290	3950	15.0	084
112 or 212	2635	4350	16.5	094

PROGRESS BOILER—(1910-Current) (Side-Feed—Sectional Type)

422	425	700	3.58	017
522	650	1050	4.69	018
622	825	1400	5.80	020
722	1150	1875	6.92	022
822	1400	2300	8.02	046
428	550	950	5.30	017
528 or 52	750	1250	6.81	019
628 or 62	1000	1675	8.30	022
728 or 72	1300	2150	9.78	045
828 or 82	1600	2600	11.27	046
928 or 92	1900	3100	12.75	048
1028 or 102	2200	3575	14.24	049
640 or 64	1700	2800	11.53	047
740 or 74	2100	3450	13.59	049
840 or 84	2500	4100	15.65	094
940 or 94	2900	4750	17.71	0104
1040 or 104	3400	5575	19.77	0114
1140 or 114	3900	6400	21.83	0124
1240 or 124	4400	7225	23.89	0134
1340 or 134	4900	8050	25.95	0144
1440 or 144	5400	8875	28.01	0154

"THATCHER DELUXE" SECTIONAL BOILER (1930-Current)

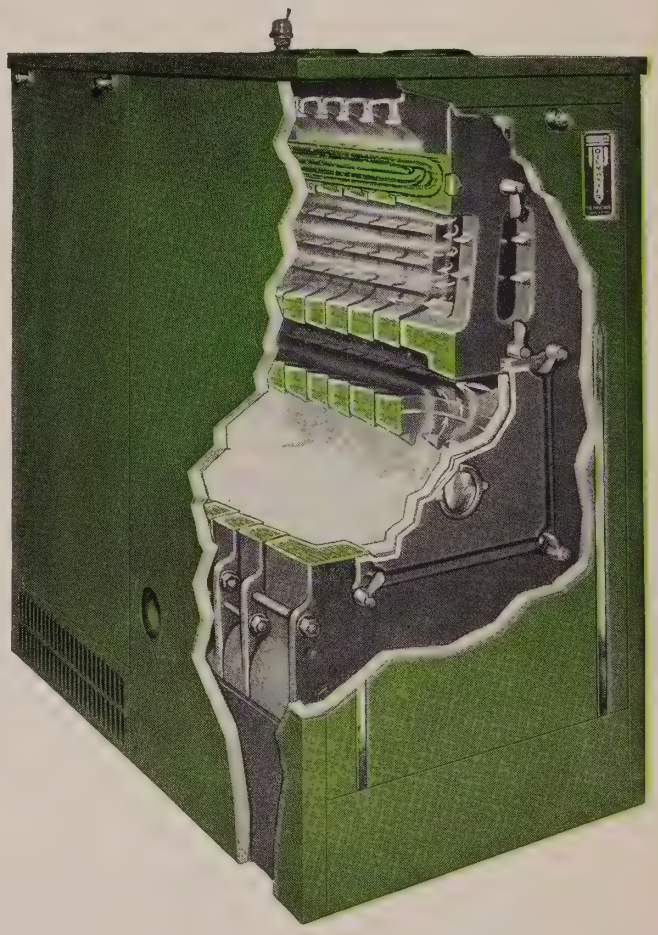
175 or T or A	300	475	1.95	015
176 or T or A	375	625	2.48	015
177 or T or A	475	775	2.95	016
178 or T or A	550	925	3.55	017
179 or T or A	650	1075	3.98	018
180 or T or A	725	1225	4.43	019
181 or T or A	825	1375	4.90	020
237	700	1120	3.83	019
238	800	1280	4.47	020
239	900	1440	5.11	021
240	1000	1600	5.75	022
241	1100	1760	6.38	045
242	1200	1920	7.02	045
243	1300	2080	7.66	045
266 or T	1150	1850	4.8	045
267 or T	1450	2325	6.3	046
268 or T	1750	2800	7.8	047
269 or T	2050	3300	9.2	048
270 or T	2350	3775	10.7	049
271 or T	2650	4250	11.2	084

The New "Series 20"
THATCHER OILMASTER

Thatcher Furnace Company is proud to announce the new Series 20 OilMaster Boiler. This new boiler is made in eight sizes with a Green, Chrome Trimmed Casing. Many new improvements have been incorporated in this boiler to secure the utmost economy in oil consumption and to make for easy installation and servicing. Because of its low initial cost, its extreme economy in operation and smart appearance, this New "Series 20" will be welcomed by the Trade.

Check These Modern Features

1. Rear Firing—Complete combustion assured by the continuous fire travel.
2. Cast Iron Fins—More heating surface to absorb the heat.
3. Gasket Fitted Doors—Perfectly tight and leak-proof. Each corner securely fastened.
4. Extended Fire Travel—Back and forth several times thru the Boiler. Guarantees a low stack temperature.
5. Internal Hot Water Heater—The full length of the Boiler, absorbing heat from all the sections.
6. Asbestos Insulation—All the way to the floor on all four sides and on the top.
7. Tongue and Groove Joint—No air leakage between the sections and no short circuiting of the gases.
8. Individual Draw-up Rods—Easy to assemble and draw up the sections.



STEAM		WATER			STEAM AND WATER				
Boiler Number	Installed Radiation Load Sq. Ft.	Boiler Number	Installed Radiation Load Sq. Ft.	Average oil Consumption per hour to maintain rated capacity, lbs.	Recommended floor size combustion chamber, In.	Recommended Draft in Stack	Recommended Draft in Combustion chamber	Water Capacity to water line, lbs.	Largest size water heater
015-S	335	015-W	535	9.5	13 x 15	.04	.02	160	30-40
016-S	410	016-W	655	11.5	13 x 17	.045	.02	183	40-50
017-S	485	017-W	775	13.4	14½ x 16½	.05	.02	206	40-50
018-S	560	018-W	895	15.2	14½ x 18	.055	.02	229	60-80
019-S	635	019-W	1015	16.9	14½ x 19½	.06	.02	252	60-80
020-S	710	020-W	1135	18.5	14½ x 21	.065	.02	275	80-100
021-S	785	021-W	1255	20.0	14½ x 22½	.07	.02	298	80-100
022-S	860	022-W	1375	21.4	14½ x 24	.075	.02	321	80-100

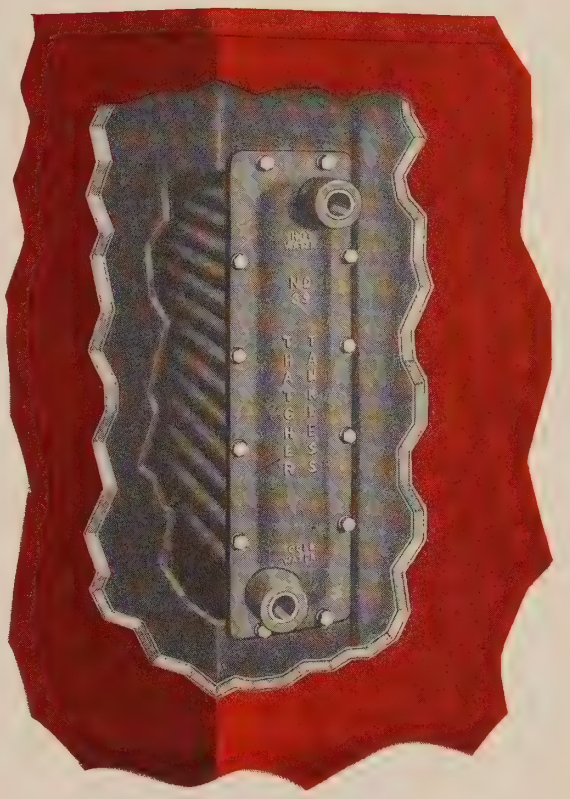
A.I.A. FILE NO. 30-C-14

THE THATCHER

TANKLESS WATER HEATER

The latest feature of modern heating is the new Thatcher Tankless Heater. This remarkable Water Heater slips inside the back section of the Thatcher OilMaster, Red King, Triple-Fire Boiler, or No. 1 Series DeLuxe Boiler for oil. The multiple lengths of copper coil, fitted in the back section, will supply ample domestic hot water for homes containing one or two bathrooms. The result of this improvement is not only increased efficiency but a compact, self-contained heating unit with everything under the jacket. The expense of a separate storage-tank, as well as of the labor, pipe and fittings required to install it is entirely eliminated. In addition to these advantages, is the speed gained in setting-up the heating system.

For efficient and economical domestic hot water, specify the "No. 39 Thatcher Tankless Heater" with your OilMaster, Red King, Triple-Fire Boiler, or No. 1 Series DeLuxe Boiler for Oil. It must be ordered with the boiler as a special back section is required. We do not suggest this heater in districts where the water is hard. A Tempering Valve should be used with the "No. 39 Thatcher Tankless Heater".



(For regular Internal Heaters, see over)

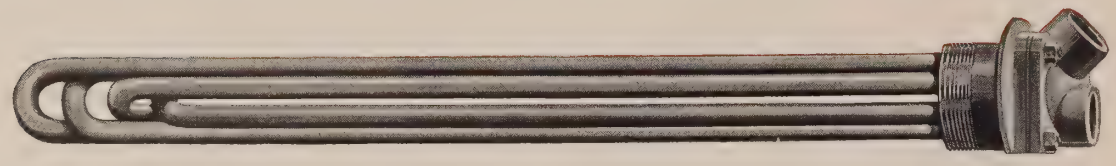
Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

NEWARK, N. J.

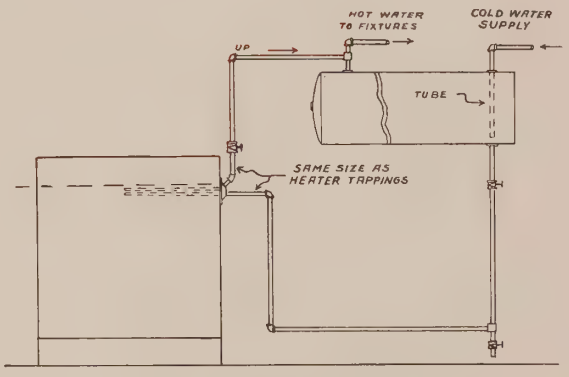
THE THATCHER INTERNAL WATER HEATER



The most convenient way of obtaining domestic hot-water with a storage-tank is to use the Thatcher Internal Water Heater. This Internal Heater will fit the DeLuxe, Triple-Fire, Red King, or OilMaster Boilers. Composed of copper coils with a brass header; it slides neatly inside the top nipple-hole of the Boiler. There is less heat loss with the Internal Heater and therefore more hot water and higher efficiency. The coils lie horizontally the length of the boiler and are submerged in the very hottest part of the boiler-water.

EASY TO CONNECT

All you do to install the Internal Heater is screw it in place and connect a flow and return to the storage tank. You save half the time and half the pipe and fittings. You'll be pleased with the savings.



TYPICAL PIPING PLAN WITH THATCHER INTERNAL HEATER

FOR WINTER ONLY

Heaters 5 to 10 inclusive are for Coal-Fired Steam Boilers for Winter hot water only. Capacity based on boiler water temperature at 212°.

FOR ALL-YEAR USE

Heaters 1 to 4 inclusive are for Oil-Fired Steam or Hot Water Boilers for Summer and Winter domestic hot water. Capacity based on boiler water temperature at 180°.

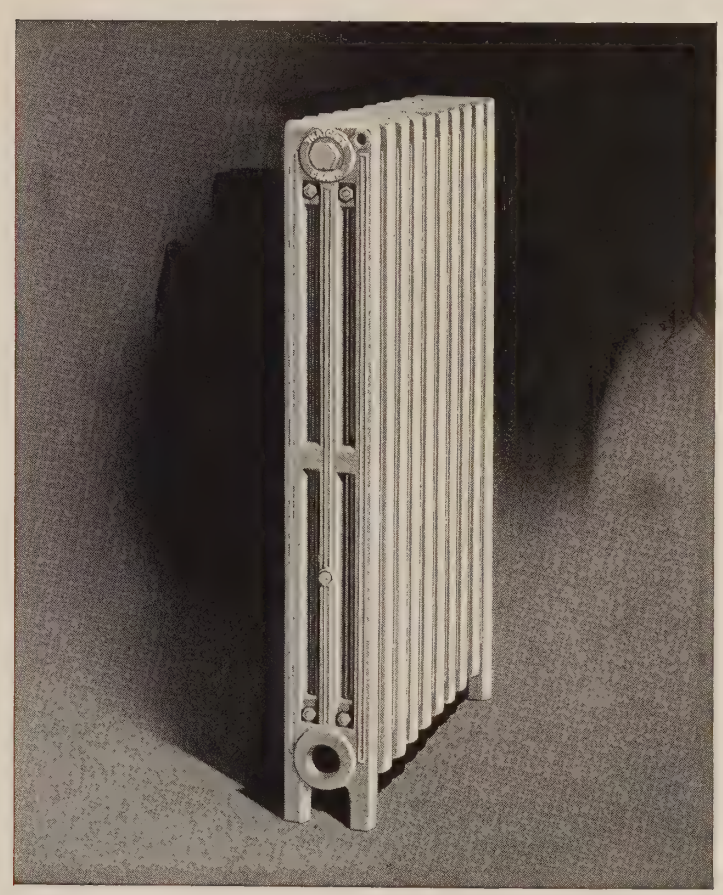
No.	Capacity Gallons	Used In	Length of Tubes	No. of Tubes	Size Tappings, Inches
5	40	All sizes	15	2	¾
6	66	176 BS or 62-S up	23¾	2	1
7	82	175 BS or 61-S up	18	3	1
8	100	177 BS or 63-S up	26	3	1
9	120	178 BS or 64-S up	31	3	1
10	144	180 BS or 66-S up	39	3	1

No.	Capacity Gallons	Used In	Length of Tubes	No. of Tubes	Size Tappings, Inches
1	30- 40	015, 061, 055, 0175 or larger	19	3	1
2	40- 50	016, 062, 056, 0176 or larger	23	3	1
2½	50- 66	017, 063, 057, 0177 or larger	27	3	1
3	60- 80	018, 064, 0178 or larger	31	3	1
4	80-100	020, 066, 0180 or larger	39	3	1

For Tankless Heaters, see over

THATCHER "CHARM"
SLENDER RADIATORS

For Exposed or Recessed Installations



60% More Radiation in the Same Space

Think of it! An eleven section 4 tube, twenty-six inch old style Radiator contains 30¼ square feet of heating surface. The same height, twenty section, 5 tube Thatcher "Charm" Radiator occupies the same floor space and contains 48 square feet of heating surface. To secure the proper amount of Radiation for a room, it is therefore not necessary to install an extra radiator—even if you recess these new Thatcher "Charm" Radiators.

But not only does the Thatcher "Charm" Radiator conserve space. It is a little giant in heating power as well. It requires considerably less steam or hot water to fill the small tubes, so that the Radiator will furnish heat more quickly and with less fuel consumption. The distance between the tubes was scientifically determined to secure the greatest degree of convection, with the result that the transfer of heat from the radiator to the air is accomplished very rapidly.

We are naturally proud of this modern radiator, and you may be sure it will be manufactured and tested with the same precision and care, which have gained for Thatcher Products the high regard of the heating trade.

DIMENSIONS AND CAPACITIES (Heating Surface Shown in Square Feet)

		3 Tube 3⅜" Wide			4 Tube 4⅝" Wide			5 Tube 5⅞" Wide			6 Tube 7⅛" Wide		
Number of Sections	*Length 1½" per Sect.	19" 1.1 Sq. Ft. per Sect.	22" 1.3 Sq. ft. per Sect.	25" 1.5 Sq. Ft. per Sect.	19" 1.4 Sq. Ft. per Sect.	22" 1.6 Sq. Ft. per Sect.	25" 1.8 Sq. Ft. per Sect.	20" 1.8 Sq. Ft. per Sect.	23" 2.1 Sq. Ft. per Sect.	26" 2.4 Sq. Ft. per Sect.	17" 1.8 Sq. Ft. per Sect.	20" 2.2 Sq. Ft. per Sect.	32" 3.8 Sq. Ft. per Sect.
2	3	2.2	2.6	3.0	2.8	3.2	3.6	3.6	4.2	4.8	3.6	4.4	7.6
4	6	4.4	5.2	6.0	5.6	6.4	7.2	7.2	8.4	9.6	7.2	8.8	15.2
6	9	6.6	7.8	9.0	8.4	9.6	10.8	10.8	12.6	14.4	10.8	13.2	22.8
8	12	8.8	10.4	12.0	11.2	12.8	14.4	14.4	16.8	19.2	14.4	17.6	30.4
10	15	11.0	13.0	15.0	14.0	16.0	18.0	18.0	21.0	24.0	18.0	22.0	38.0
12	18	13.2	15.6	18.0	16.8	19.2	21.6	21.6	25.2	28.8	21.6	26.4	45.6
14	21	15.4	18.2	21.0	19.6	22.4	25.2	25.2	29.4	33.6	25.2	30.8	53.2
16	24	17.6	20.8	24.0	22.4	25.6	28.8	28.8	33.6	38.4	28.8	35.2	60.8
18	27	19.8	23.4	27.0	25.2	28.8	32.4	32.4	37.8	43.2	32.4	39.6	68.4
20	30	22.0	26.0	30.0	28.0	32.0	36.0	36.0	42.0	48.0	36.0	44.0	76.0
22	33	24.2	28.6	33.0	30.8	35.2	39.6	39.6	46.2	52.8	39.6	48.4	83.6
24	36	26.4	31.2	36.0	33.6	38.4	43.2	43.2	50.4	57.6	43.2	52.8	91.2
26	39	28.6	33.8	39.0	36.4	41.6	46.8	46.8	54.6	62.4	46.8	57.2	98.8
28	42	30.8	36.4	42.0	39.2	44.8	50.4	50.4	58.8	67.2	50.4	61.6	106.4
30	45	33.0	39.0	45.0	42.0	48.0	54.0	54.0	63.0	72.0	54.0	66.0	114.0
32	48	35.2	41.6	48.0	44.8	51.2	57.6	57.6	67.2	76.8	57.6	70.4	121.6
34	51	37.4	44.2	51.0	47.6	54.4	61.2	61.2	71.4	81.6	61.2	74.8	129.2
36	54	39.6	46.8	54.0	50.4	57.6	64.8	64.8	75.6	86.4	64.8	79.2	136.8
38	57	41.8	49.4	57.0	53.2	60.8	68.4	68.4	79.8	91.2	68.4	83.6	144.4
40	60	44.0	52.0	60.0	56.0	64.0	72.0	72.0	84.0	96.0	72.0	88.0	152.0
42	63	46.2	54.6	63.0	58.8	67.2	75.6	75.6	88.2	100.8	75.6	92.4	159.6
44	66	48.4	57.2	66.0	61.6	70.4	79.2	79.2	92.4	105.6	79.2	96.8	167.2
46	69	50.6	59.8	69.0	64.4	73.6	82.8	82.8	96.6	110.4	82.8	101.2	174.8
48	72	52.8	62.4	72.0	67.2	76.8	86.4	86.4	100.8	115.2	86.4	105.6	182.4
50	75	55.0	65.0	75.0	70.0	80.0	90.0	90.0	105.0	120.0	90.0	110.0	190.0

*Add ½ inch to length for each bushing.

IMPORTANT

THATCHER "CHARM" RADIATORS will be assembled and shipped only in EVEN NUMBER OF SECTIONS.

TAPPINGS

Thatcher "Charm" Radiator end sections are tapped 1-inch top and bottom and may be bushed to sizes required. Can be tapped 1¼ inches if so ordered.
Distance from floor to center of bottom tappings:

Three and Four Tube..... 2½ inches

Five and Six Tube..... 3½ inches

Thatcher Furnace Company

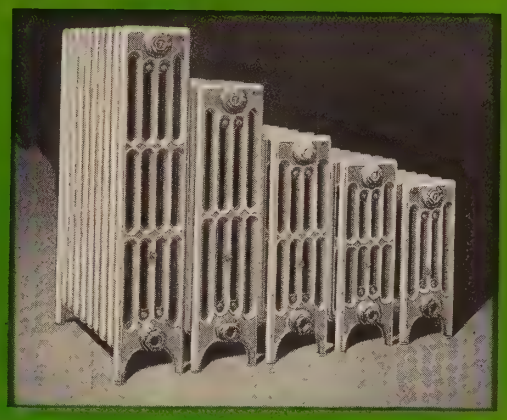
Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

A. I. A. File No. 30-C4

THATCHER GOTHIC RADIATORS



The compact graceful lines of Thatcher Gothic Radiators are thoroughly appreciated by architects and interior decorators. The Gothic Radiator, with its slender tubes, harmonizes effectively with the interior furnishings of any room.

Artistry, in itself, is only one of the qualities which have made this radiator so successful. Thatcher engineers worked for months to get the exact proportions which make the Gothic Radiator a scientific triumph. The large waterways allow unobstructed passage for steam or water and the interspace between the sections is carefully designed to permit full heat absorption by the air. Every square inch of surface of this radiator delivers a full quota of steady, positive heat.

The Gothic Radiator is cast from a selected grade of gray iron. Every precaution is taken to insure a quality product. Among these are, the machining of the hubs of each section in such a manner that a tight, leak-proof fit is guaranteed and a test under high pressure to prove that the casting is perfect.

Thatcher Furnace Company places particular emphasis on tests and careful inspections since its reputation rests on the quality of its products. Since 1850, the name "Thatcher" has been familiar to succeeding generations of homeowners as a hall-mark of the highest grade of heating products.

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

DIMENSIONS AND CAPACITIES (Heating Surface Shown in Square Feet)

Number of Sections	Length 2½ Inches per Section	Three-Tube Radiators				Four-Tube Radiators				Five-Tube Radiators				
		38-Inch 3½ Square Feet per Section	32-Inch 3 Square Feet per Section	26-Inch 2⅓ Square Feet per Section	20-Inch 1¾ Square Feet per Section	38-Inch 4¼ Square Feet per Section	32-Inch 3½ Square Feet per Section	26-Inch 2¾ Square Feet per Section	20-Inch 2¼ Square Feet per Section	38-Inch 5 Square Feet per Section	32-Inch 4⅓ Square Feet per Section	26-Inch 3½ Square Feet per Section	23-Inch 3 Square Feet per Section	20-Inch 2⅔ Square Feet per Section
2	5	7	6	4⅔	3½	8½	7	5½	4½	10	8⅔	7	6	5⅓
3	7½	10½	9	7	5¼	12¾	10½	8¼	6¾	15	13	10½	9	8
4	10	14	12	9⅓	7	17	14	11	9	20	17⅓	14	12	10⅔
5	12½	17½	15	11⅔	8¾	21¼	17½	13¾	11¼	25	21⅔	17½	15	13⅓
6	15	21	18	14	10½	25½	21	16½	13½	30	26	21	18	16
7	17½	24½	21	16⅓	12¼	29¾	24½	19¼	15¾	35	30⅓	24½	21	18⅔
8	20	28	24	18⅔	14	34	28	22	18	40	34⅔	28	24	21⅓
9	22½	31½	27	21	15¾	38¼	31½	24¾	20¼	45	39	31½	27	24
10	25	35	30	23⅓	17½	42½	35	27½	22½	50	43⅓	35	30	26⅔
11	27½	38½	33	25⅔	19¼	46¾	38½	30¼	24¾	55	47⅔	38½	33	29⅓
12	30	42	36	28	21	51	42	33	27	60	52	42	36	32
13	32½	45½	39	30⅓	22¾	55¼	45½	35¾	29¼	65	56⅓	45½	39	34⅔
14	35	49	42	32⅔	24½	59½	49	38½	31½	70	60⅔	49	42	37⅓
15	37½	52½	45	35	26¼	63¾	52½	41¼	33¾	75	65	52½	45	40
16	40	56	48	37⅓	28	68	56	44	36	80	69⅓	56	48	42⅔
17	42½	59½	51	39⅔	29¾	72¼	59½	46¾	38¼	85	73⅔	59½	51	45⅓
18	45	63	54	42	31½	76½	63	49½	40½	90	78	63	54	48
19	47½	66½	57	44⅓	33¼	80¾	66½	52¼	42¾	95	82⅓	66½	57	50⅔
20	50	70	60	46⅔	35	85	70	55	45	100	86⅔	70	60	53⅓
21	52½	73½	63	49	36¾	89¼	73½	57¾	47¼	105	91	73½	63	56
22	55	77	66	51⅓	38½	93½	77	60½	49½	110	95⅓	77	66	58⅔
23	57½	80½	69	53⅔	40¼	97¾	80½	63¼	51¾	115	99⅔	80½	69	61⅓
24	60	84	72	56	42	102	84	66	54	120	104	84	72	64
25	62½	87½	75	58⅓	43¾	106¼	87½	68¾	56¼	125	108⅓	87½	75	66⅔
26	65	91	78	60⅔	45½	110½	91	71½	58½	130	112⅔	91	78	69⅓
27	67½	94½	81	63	47¼	114¾	94½	74¼	60¾	135	117	94½	81	72
28	70	98	84	65⅓	49	119	98	77	63	140	121⅓	98	84	74⅔
29	72½	101½	87	67⅔	50¾	123¼	101½	79¾	65¼	145	125⅔	101½	87	77⅓
30	75	105	90	70	52½	127½	105	82½	67½	150	130	105	90	80
31	77½	108½	93	72⅓	54¼	131¾	108½	85¼	69¾	155	134⅓	108½	93	82⅔
32	80	112	96	74⅔	56	136	112	88	72	160	138⅔	112	96	85⅓

Number of Sections	Length 2½ Inches per Section	Six-Tube Radiators						Seven Tube		
		38-Inch 6 Square Feet per Section	32-Inch 5 Square Feet per Section	26-Inch 4 Square Feet per Section	20-Inch 3 Square Feet per Section	18-Inch 2¾ Square Feet per Section	14-Inch 2 Square Feet per Section	20-Inch 3⅓ Square Feet per Section	17-Inch 3 Square Feet per Section	14-Inch 2½ Square Feet per Section
2	5	12	10	8	6	5½	4	7⅓	6	5
3	7½	18	15	12	9	8¼	6	11	9	7½
4	10	24	20	16	12	11	8	14⅔	12	10
5	12½	30	25	20	15	13¾	10	18⅓	15	12½
6	15	36	30	24	18	16½	12	22	18	15
7	17½	42	35	28	21	19¼	14	25⅔	21	17½
8	20	48	40	32	24	22	16	29⅓	24	20
9	22½	54	45	36	27	24¾	18	33	27	22½
10	25	60	50	40	30	27½	20	36⅔	30	25
11	27½	66	55	44	33	30¼	22	40⅓	33	27½
12	30	72	60	48	36	33	24	44	36	30
13	32½	78	65	52	39	35¾	26	47⅔	39	32½
14	35	84	70	56	42	38½	28	51⅓	42	35
15	37½	90	75	60	45	41¼	30	55	45	37½
16	40	96	80	64	48	44	32	58⅔	48	40
17	42½	102	85	68	51	46¾	34	62⅓	51	42½
18	45	108	90	72	54	49½	36	66	54	45
19	47½	114	95	76	57	52¼	38	69⅔	57	47½
20	50	120	100	80	60	55	40	73⅓	60	50
21	52½	126	105	84	63	57¾	42	77	63	52½
22	55	132	110	88	66	60½	44	80⅔	66	55
23	57½	138	115	92	69	63¼	46	84⅓	69	57½
24	60	144	120	96	72	66	48	88	72	60
25	62½	150	125	100	75	68¾	50	91⅔	75	62½
26	65	156	130	104	78	71½	52	95⅓	78	65
27	67½	162	135	108	81	74¼	54	99	81	67½
28	70	168	140	112	84	77	56	102⅔	84	70
29	72½	174	145	116	87	79¾	58	106⅓	87	72½
30	75	180	150	120	90	82½	60	110	90	75
31	77½	186	155	124	93	85¼	62	113⅔	93	77½
32	80	192	160	128	96	88	64			

RADIATOR TAPPING LIST

All Radiators have right-hand threads at both supply and return. They are connected at top and bottom with heavy malleable iron push nipples and are vented ⅛ inch for both steam and water. They can therefore be used for any kind of Hot Water, Steam, Vapor or Vacuum system.

Three Tube Radiators in the smaller heights can be furnished with brackets and used as wall radiators.

STEAM—ONE-PIPE WORK

Up to 24 square feet, inclusive	1 inch
Above 24, up to 60 square feet	1¼ inches
Above 60, up to 100 square feet	1½ inches
Above 100 square feet	2 inches

STEAM—TWO-PIPE WORK

	Supply and Return
Up to 48 square feet, inclusive	1x¾ inch
Above 48, up to 96 square feet	1¼x1 inch
Above 96 square feet	1½x1¼ inches

WATER RADIATORS

	Tapped for Supply and returns
Up to 40 square feet, inclusive	1x1 inch
Above 40, up to 72 square feet	1¼x1¼ inches
Above 72 square feet	1½x1½ inches

DISTANCE FROM FLOOR TO CENTER OF UPPER TAPPING—

3-4-5-6-Tube Gothic: 38 in. 36¼; 32 in. 30¼; 26 in. 24½; 23 in. 21¼; 20 in. 18¼; 18 in. 16⅜; 14 in. 12⅜.

7 Tube Gothic: 20 in. 18¼; 17 in. 15¼; 14 in. 12¼.

WIDTH OF FEET AND SECTIONS—

3 Tube, 4½"; 4 Tube, 6¼"; 5 Tube, 8"; 6 Tube, 9¾"; 7 Tube, 11⅜".

Add ½" to length for each bushing.

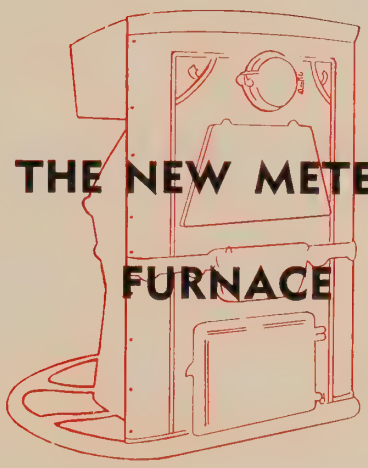
Thatcher Gothic Tube Radiators are tapped 1½", both ends and may be bushed to sizes required.

Height from floor to center of lower tappings, both feed and return for steam and water, 4½".

THATCHER

Warm Air

FURNACES



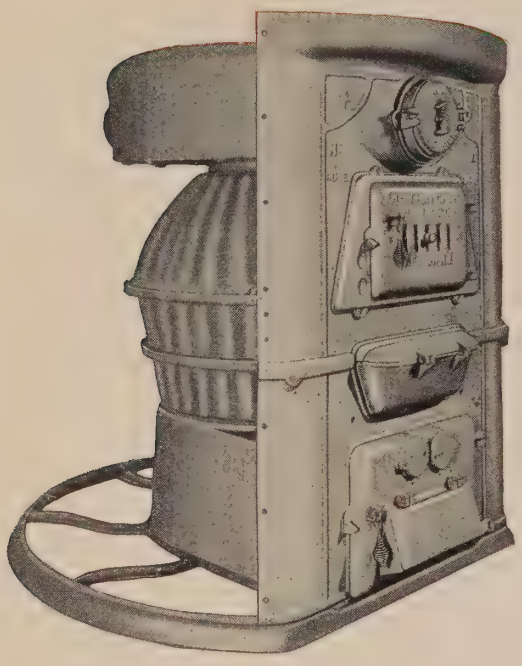
THE NEW METEOR

FURNACE

WARM FRIEND

PIPELESS FURNACE

The New Meteor Furnace



THE NEW METEOR FURNACE is not an experiment. Thatcher Furnaces have been on the market for many years, improved from time to time, and today the NEW METEOR represents the highest type of what is commonly known as the "Horseshoe Radiator" type of furnace.

It is ECONOMICAL. Its construction insures a maximum of heat from a minimum of fuel. All of the heat producing gases are burned before entering the chimney.

It is HEALTHFUL. The vapor from the large, well-placed water pan purifies and moistens the air. The New Meteor air-tight, dust-proof construction permits the healthful warmed air to enter the home free from dirt or soot.

It is EASILY OPERATED. The large feed door makes the fire always accessible. The firing periods are few and far between. The deep ashpit will hold a good quantity of ashes without endangering the life of the grates. The triangular grates are very effective and easy to operate.

FEATURES OF WARM AIR FURNACES

COMBUSTION CHAMBER

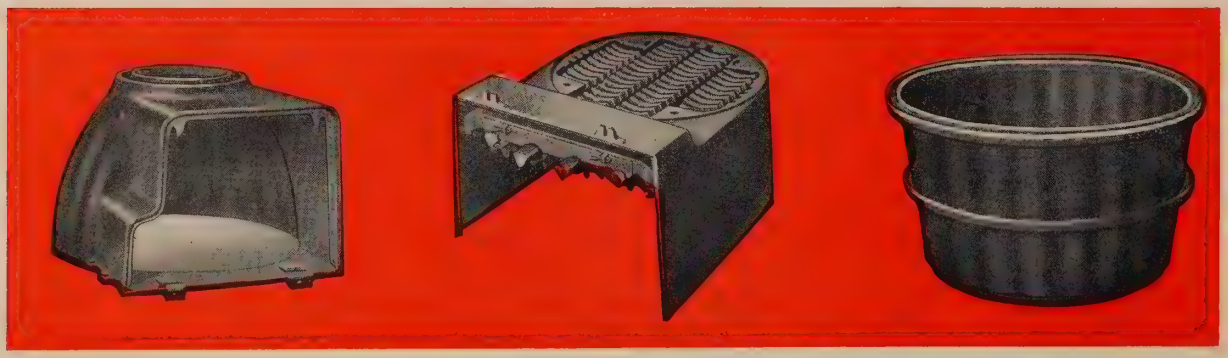
This combustion chamber is furnished with all Meteor furnaces. It is of ample size for heavy and efficient firing and for the thorough combustion of the coal gases. Note the corrugation for additional heating surface.

GRATES AND ASH PIT

The regular triangular grate bars of the Meteor operate in pairs, four to six grates to a furnace, so that even the slightest shaking frees the fire of clinkers and dead ashes. The ash pit is dust proof because cast in one piece, a decided advantage over the bolted type.

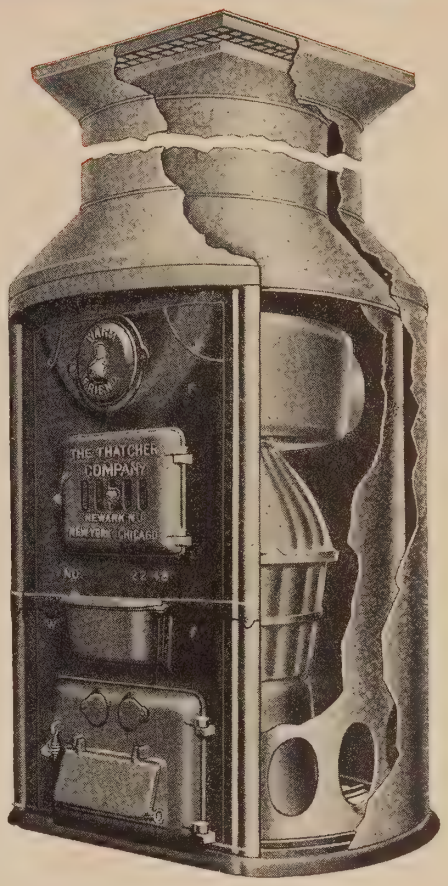
TWO-PIECE FIRE POT

A corrugated two-piece fire pot is furnished with the Meteor. The corrugation gives additional heating surface and allows for the constant strain of expansion and contraction, as does the two-piece feature. The deep cup joints assure its being absolutely gas-tight.



"Warm Friend" Pipeless Furnace

The law of gravity causes warm air to rise, and cold air to fall. The Thatcher Warm Friend Pipeless Furnace makes use of this scientific principle of air circulation. The furnace is installed in your cellar, connected with the chimney, and a single warm air register is cut in the floor directly above the heater.



This register provides two air channels—an inner channel for the discharge of warm air into the home, and an outer channel for the intake of cold air. As soon as the furnace begins to burn, warm air rises through the inner channel of the special Thatcher register. Warm air is very active. It moves rapidly and enters every room, displacing the cold air it finds. What becomes of the cold air? It sinks to the lower part of the rooms and is drawn by a constantly moving current back to the register, where it enters the intake for cold air and returns to the furnace to be re-heated, moistened and purified by vapor from the water pan, and recirculated through the warm air register. This insures a constant flow of evenly heated washed air in every room, upstairs and down.

FEATURES OF WARM AIR FURNACES

ONE-PIECE RADIATOR

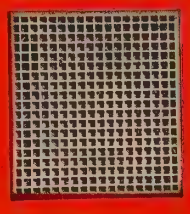
The Radiator is one-piece cast iron with an unusually long smoke collar. It can be easily cleaned by the use of a flue brush from the clean-out door at the front of the furnace. This radiator is so constructed as to be absolutely gas-tight even when soft coal is used.

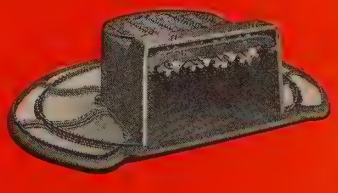
SPECIAL REGISTER

The Register fits snugly into the floor and has unusual strength. Furnished in black japanned finish. Has two air channels, an inner one for discharging warm air, an outer one for the intake of cold air.

ONE-PIECE BASE PLATE

The base plate is cast in one piece, not only making it easier to set up the furnace, but also insuring tighter joints and a stronger and better base for the casings.





DIMENSIONS AND CAPACITIES

THATCHER NEW METEOR PIPE FURNACE

Number	Diam. of Casing, Inches	Diam. of Firepot, Inches	Height of Front, Inches	Diam. of Smoke Pipe, Inches	Size of Feed Door, Inches	Heat Pipe Capacity, Sq. In.
18-36	36	18	48	7	9 1/8x12 3/4	369
20-40	40	20	49	8	9 1/8x12 3/4	403
22-44	44	22	49	8	9 1/8x12 3/4	475
24-48	48	24	49 1/2	8	9 1/8x12 3/4	585
26-52	52	26	52	9	9 1/8x12 3/4	715
30-U	58	30	57 1/4	9	10x13	1053

THATCHER WARM FRIEND PIPELESS FURNACE

Number	Diameter of Firepot, Inches	Diameter Outer Casing, Inches	Approximate Heating Capacity in Cu. Ft.	Diameter of Smoke Pipe, Inches	Minimum Height	Extreme Height with 24" Extension Collar	Size of Feed Door, Inches	Floor Opening for Register, Inches
18-40	18	40	8-10,000	7	70"	90"	10x13	25 1/2x25 1/2
20-44	20	44	10-15,000	8	72"	92"	10x13	28 1/4x28 1/4
22-48	22	48	15-22,000	8	72 1/2"	92 1/2"	10x13	31 x31
24-52	24	52	22-27,000	8	74"	94"	10x13	34 x34

EQUIPMENT furnished with Warm Friend: Complete inner and outer galvanized casings. Register furnished with black japanned finish. Special THATCHER water pan and two outside casing clean-out doors. Longer extension collars furnished when ordered at a slight additional cost.

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers—Radiators—Furnaces—Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

THATCHER

Comfortmaster

S U SERIES

REASONABLY PRICED

for

THE SMALLER HOME

AIR CONDITIONING by THATCHER MEANS HEALTH AND COMFORT

Over 75% of our lives are spent in the home and we breathe 35,000 times a day. It is easily understandable therefore, that the air in the home is an important factor and everything should be done to make it healthier and more comfortable. In order to have the best air possible, an air conditioning system should be used. This system must have five important functions, namely:

1. A means of heating the air to the proper temperature.
2. A means of cleaning the air to remove dust, dirt, germs and other impurities.
3. A means of humidifying the air so it will contain the correct amount of moisture for health's and comfort's sake.
4. A means of circulating the air to every part of every room.
5. A means of automatically operating this system in a dependable manner.

Thatcher Furnace Company has manufactured heating equipment for almost ninety years and Air Conditioning Units since 1930. With this experience Thatcher Engineers have built a new unit which will automatically perform all the functions that make and keep the air in the home in the best possible condition. This unit consists of a heating chamber to warm the air, a filtering device to clean it, an automatic drip humidifier to add the proper amount of moisture, and a blower to circulate the air through the unit and into every room in the house. This system is entirely automatic.

THE THATCHER "C SERIES" COMFORTMASTER

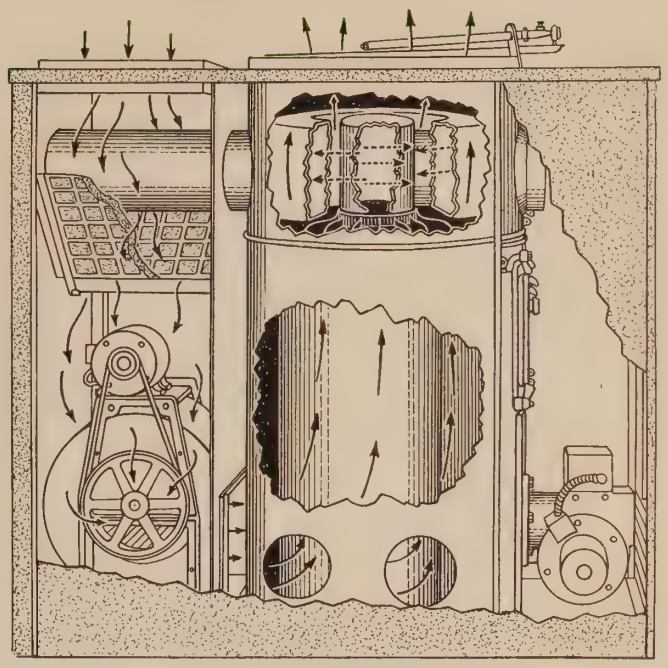
This Thatcher ComfortMaster is an especially designed unit that brings all of the comforts of air-conditioning to the smaller home at a reasonable price. An attractive, wrinkle finished green casing encloses all of the parts, making it a compact unit, measuring only 31½ inches wide by 60 inches long. There are no bolts or screws to mar the beauty of the modern casing. But the principal reason for the popularity of this ComfortMaster is the fact that it performs all the duties of properly heating and conditioning the air of the home. For in its confines the air is filtered, heated and humidified in just the right manner.

The large removable filters thoroughly clean the air while the patented automatic humidifier adds the correct amount of moisture. This unit was designed to burn the lowest priced oil in order to operate economically. The entire operation of the unit is automatically controlled, which relieves the home owner of all heating worries.

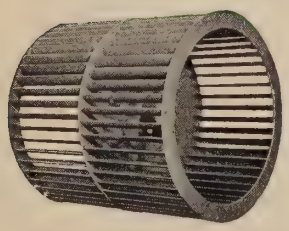
LONG FIRE TRAVEL MEANS LOW FUEL BILLS

The accompanying diagram shows the large heating surface in the Thatcher ComfortMaster. Among the many features of this unit are the heat economizer which greatly reduces fuel bills, and the preheater which extracts the last cent's worth of heat out of every dollar's worth of fuel.

The air travel is indicated in this diagram by the solid arrows. They show the air entering the unit from the return ducts, going first over the preheater before passing through the filters. The pressure type blower then forces the air around the heat generator with its extra large heating surfaces. From here the air is forced through the heat economizer and over the automatic humidifier. The warm, humidified air enters the ducts which carry it to every room in the house. Surely, no simpler device could be designed that would give efficiently the healthful heat so necessary to physical well-being.



QUALITY PARTS MAKE AN EFFICIENT UNIT



A STURDY BLOWER—CORRECTLY DESIGNED

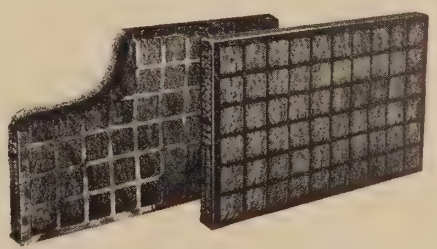
The Blower in the Thatcher ComfortMaster is not a fan, but a squirrel-cage type blower. The blades in this blower are closely set so that a constant yet gentle stream of air is assured. The blower is silent and powerful, and its sturdy construction assures long life.

AUTOMATIC, PATENTED HUMIDIFIER

Everyone knows that the people who live in moderate temperatures are healthier and it is a scientific fact that the temperature in a home, the air of which is humidified, can be lower and still be perfectly comfortable. The drip humidifier in the Thatcher ComfortMaster automatically maintains the proper moisture content of the air in the home. It prevents floors, furniture and woodwork from drying out, while promoting comfort and assuring good health. And the fact that temperature can be lower, saves on the cost of fuel.

REMOVABLE SPLIT WIRE FILTERS

Dirt and dust carry germs and bacteria. Remove the dust particles from the air and you prevent the spread of colds, grippe, influenza and other nose and throat infections. These split wire filters will remove more than 95% of the extraneous matter from the air.



MANY ADVANTAGES WITH AIR CONDITIONING

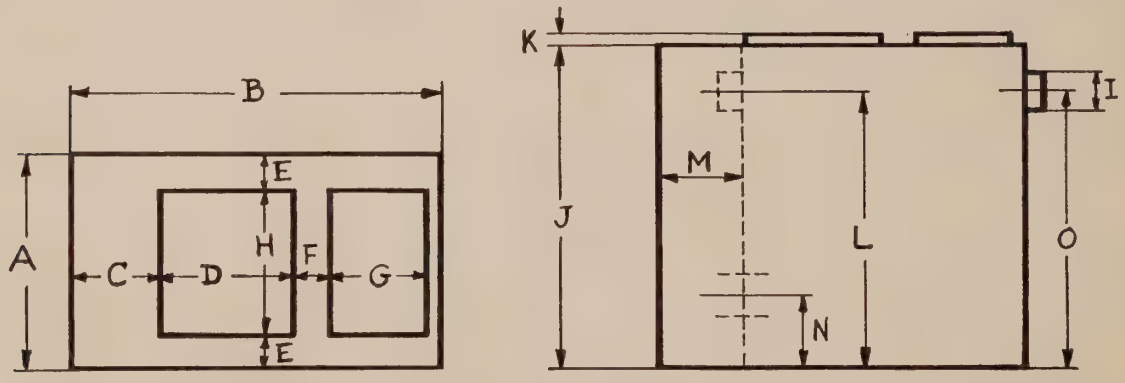
An oil or gas fired Thatcher ComfortMaster brings many advantages to the home owner. In the basement, it eliminates ashes, dirt and dust. The space formerly used for the storage of fuel can now be added to the rest of the basement to be used as a playroom, card room or gymnasium.

In other parts of the house, the advantages are even greater for the filters remove the dust and dirt from the air which means a cleaner home with much less housework. Woodwork, furniture, books, paintings and similar objects will not dry out, warp or crack for the air contains the proper amount of humidity. Due to the control of the moisture in the air and the removal of dirt and dust, colds, asthma, hayfever and other respiratory ailments will not be as numerous. The circulation of air quickly clears away cooking and tobacco odors and maintains an even temperature in every part of every room of the home.

All of these advantages are yours when you install the Thatcher ComfortMaster Air Conditioning Unit.

ENGINEERING DATA AND DIMENSIONS

	Number of Unit	B. T. U. Output at Reg.	C. F. M. Capacity at 1/4" S. P.	Blower Size	Motor H. P.	Motor R. P. M.	Number and Size of Filters	Recommended Oil Consumption per hr. lbs.	Recommended Size Combustion Chamber inches
S 203	C-202	80,000	1025	1—11½"	1/6	1725	2—16 x 20	7.5	12 x 12
S 303	C-302	125,000	1500	1—13"	1/4	1725	2—20 x 20	11.0	14 x 14



	UNIT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
S 203	C-202	31¾	60½	13¾	25	4⅞	4½	16	22	8	54¼	1½	45½	12½	10	45
S 303	C-302	39¾	72½	16	29	5⅜	7½	18	29	8	54¼	1½	45½	12½	10	45

MANUFACTURED BY

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers — Radiators — Furnaces — Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

THATCHER

Comfortmaster

COMPLETE WITH THATCHER OIL BURNER

BS HQ SERIES

REASONABLY PRICED

for

THE SMALLER HOME

AIR CONDITIONING by THATCHER MEANS HEALTH AND COMFORT

Over 75% of our lives are spent in the home and we breathe 35,000 times a day. It is easily understandable therefore, that the air in the home is an important factor and everything should be done to make it healthier and more comfortable. In order to have the best air possible, an air conditioning system should be used. This system must have five important functions, namely:

1. A means of heating the air to the proper temperature.
2. A means of cleaning the air to remove dust, dirt, germs and other impurities.
3. A means of humidifying the air so it will contain the correct amount of moisture for health's and comfort's sake.
4. A means of circulating the air to every part of every room.
5. A means of automatically operating this system in a dependable manner.

Thatcher Furnace Company has manufactured heating equipment for almost ninety years and Air Conditioning Units since 1930. With this experience Thatcher Engineers have built a new unit which will automatically perform all the functions that make and keep the air in the home in the best possible condition. This unit consists of a heating chamber to warm the air, a filtering device to clean it, an automatic drip humidifier to add the proper amount of moisture, and a blower to circulate the air through the unit and into every room in the house. This system is entirely automatic.

THE THATCHER "BC SERIES" COMFORTMASTER

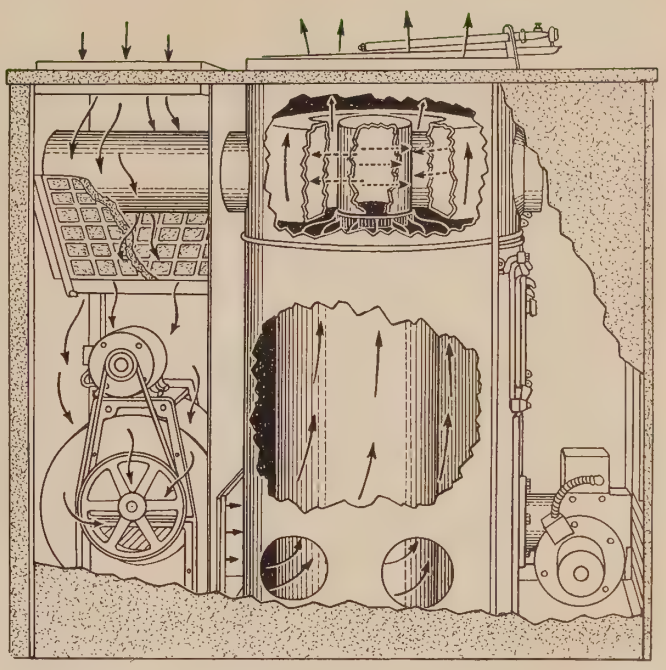
This Thatcher ComfortMaster is an especially designed unit that brings all of the comforts of air-conditioning to the smaller home at a reasonable price. An attractive, wrinkle finished green casing encloses all of the parts, making it a compact unit, measuring only 31½ inches wide by 60 inches long. There are no bolts or screws to mar the beauty of the modern casing. But the principal reason for the popularity of this ComfortMaster is the fact that it performs all the duties of properly heating and conditioning the air of the home. For in its confines the air is filtered, heated and humidified in just the right manner.

The large removable filters thoroughly clean the air while the patented automatic humidifier adds the correct amount of moisture. This unit was designed to burn the lowest priced oil in order to operate economically. The entire operation of the unit is automatically controlled, which relieves the home owner of all heating worries.

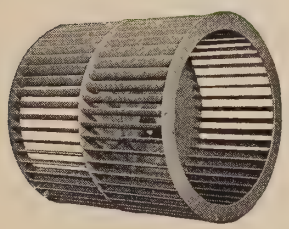
LONG FIRE TRAVEL MEANS LOW FUEL BILLS

The accompanying diagram shows the large heating surface in the Thatcher ComfortMaster. Among the many features of this unit are the heat economizer which greatly reduces fuel bills, and the preheater which extracts the last cent's worth of heat out of every dollar's worth of fuel.

The air travel is indicated in this diagram by the solid arrows. They show the air entering the unit from the return ducts, going first over the preheater before passing through the filters. The pressure type blower then forces the air around the heat generator with its extra large heating surfaces. From here the air is forced through the heat economizer and over the automatic humidifier. The warm, humidified air enters the ducts which carry it to every room in the house. Surely, no simpler device could be designed that would give efficiently the healthful heat so necessary to physical well-being.



QUALITY PARTS MAKE AN EFFICIENT UNIT

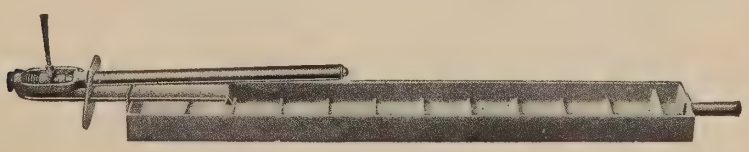


A STURDY BLOWER—CORRECTLY DESIGNED

The Blower in the Thatcher ComfortMaster is not a fan, but a squirrel-cage type blower. The blades in this blower are closely set so that a constant yet gentle stream of air is assured. The blower is silent and powerful, and its sturdy construction assures long life.

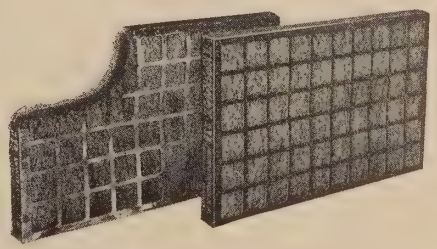
AUTOMATIC, PATENTED HUMIDIFIER

Everyone knows that the people who live in moderate temperatures are healthier and it is a scientific fact that the temperature in a home, the air of which is humidified, can be lower and still be perfectly comfortable. The drip humidifier in the Thatcher ComfortMaster automatically maintains the proper moisture content of the air in the home. It prevents floors, furniture and woodwork from drying out, while promoting comfort and assuring good health. And the fact that temperature can be lower, saves on the cost of fuel.



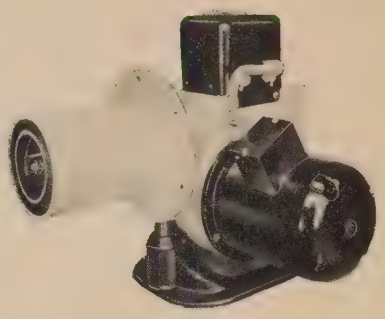
REMOVABLE SPLIT WIRE FILTERS

Dirt and dust carry germs and bacteria. Remove the dust particles from the air and you prevent the spread of colds, grippe, influenza and other nose and throat infections. These split wire filters will remove more than 95% of the extraneous matter from the air.



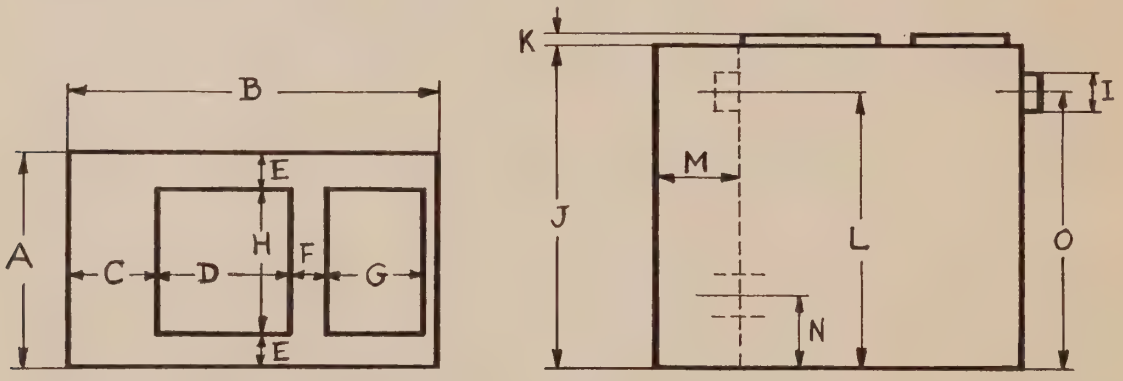
SILENCE IS A FEATURE OF THATCHER OIL BURNERS

The Thatcher Oil Burner is a gun-type, flange-mounted burner and is designed so that it is exceptionally quiet. The burner is vibration-free and operates at high pressure so as to thoroughly atomize every drop of oil. It is Underwriter approved and has an 1/8 horse-power motor which is built for long hour duty. The burner itself is highly rated by experts for its great efficiency, its low operating cost and sturdy construction. No burner offers better possibilities for a long life and satisfactory operation.



ENGINEERING DATA AND DIMENSIONS

	Number of Unit	B. T. U. Output at Reg.	C. F. M. Capacity at 1/4" S. P.	Blower Size	Motor H. P.	Motor R. P. M.	Number and Size of Filters	Recommended Oil Consumption per hr. lbs.	Recommended Size Combustion Chamber inches
BS 203	[illegible]	80,000	1025	1—11½"	1/6	1725	2—16 x 20	7.5	12 x 12
BS 303	[illegible]	125,000	1500	1—13"	1/4	1725	2—20 x 20	11.0	14 x 14



	UNIT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BS 203	[illegible]	31¾	60½	13¾	25	4⅞	4½	16	22	8	54¼	1½	45½	12½	10	45
BS 303	[illegible]	39¾	72½	16	29	5⅜	7½	18	29	8	54¼	1½	45½	12½	10	45

MANUFACTURED BY

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers — Radiators — Furnaces — Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.

"Since 1850"

THATCHER

BOILERS

AND

RADIATORS

●

Net Trade Prices

JUNE 1st, 1938

●

Page

2 #1 Series "DeLuxe" Boilers—For Coal
2 "Triple-Fire" Boilers—For Coal
2 Internal Water Heaters—For #1 DeLuxe and "Triple-Fire"
3 #2 and #3 Series "DeLuxe" Boilers—Jacketed—For Coal
3 #2 and #3 Series "DeLuxe" Boilers—Unjacketed—For Coal
4 Round Boilers—For Coal
4 "Triple-Fire" Boilers—For Stoker
4 "Triple-Fire" Boilers—For Gas
5 "Progress" Sectional Boilers—For Coal
5 "Geyser" Tank Heaters
6 "Oilmaster" Oil Burning Boilers
6 Internal Water Heaters for "Oilmaster," "Red King" and "Triple-Fire"

Page

6 "Red King" Oil-Burning Boilers
7 "Triple-Fire" Boilers—For Oil
7 #1, #2 and #3 Series "DeLuxe" Boilers—Jacketed—For Oil
8 "Oilburner" Oil-Burning Boilers
8 "Progress" Sectional Boilers—For Oil or Stoker
9 #2 and #3 Series "DeLuxe" Boilers—Unjacketed—For Oil
9 Round Boilers—For Oil
10 "Gothic" and "Charm" Radiators
11 "Gothic" and "Charm" Radiators
12 Terms, Guarantee, etc.

●

Thatcher Furnace Company

Boilers — Radiators — Furnaces — Air Conditioners

39-41 ST. FRANCIS STREET
MARKET 3-4480

NEWARK, N. J.
MURRAY HILL 2-0368

THATCHER "DELUXE" BOILERS

No. 1 SERIES

ENAMEL JACKETED — FOR COAL

STEAM

	Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
No. 1 Series	175 B-S	575	240	$85.00	1154
	176 B-S	750	300	99.00	1312
	177 B-S	950	380	113.00	1467
	178 B-S	1150	460	127.00	1664
	179 B-S	1350	540	141.00	1853
	180 B-S	1550	620	155.00	2001
	181 B-S	1750	700	169.00	2171

WATER

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
175 B-W	950	380	$77.00	1149
176 B-W	1200	480	90.00	1307
177 B-W	1520	610	103.00	1462
178 B-W	1840	740	116.00	1659
179 B-W	2160	870	129.00	1848
180 B-W	2480	995	142.00	1996
181 B-W	2800	1120	155.00	2166

Steam Boilers furnished with regular steam trimmings—Water Boilers furnished with Altitude Gauge, Thermometer and Automatic Damper Regulator.

THATCHER "TRIPLE FIRE" BOILERS

ENAMEL JACKETED — FOR COAL

STEAM

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
60-S	500	225	$100.00	1033
61-S	670	300	111.00	1234
62-S	840	375	123.00	1407
63-S	1010	450	139.00	1582
64-S	1180	525	155.00	1771
65-S	1350	600	171.00	1950
66-S	1520	675	187.00	2167

WATER

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
60-W	800	360	$96.00	1033
61-W	1070	480	107.00	1234
62-W	1340	600	119.00	1407
63-W	1610	720	135.00	1582
64-W	1880	840	151.00	1771
65-W	2150	960	167.00	1950
66-W	2420	1080	183.00	2167

Steam Boilers furnished with regular steam trimmings—Water Boilers furnished with Altitude Gauge, Thermometer and Automatic Damper Regulator.

Ratings on #1 "DeLuxe" and "Triple-Fire" for Coal are based on installed radiation sufficient for the requirements of the building. Allowance has been made for normal piping and pick-up. If the Thatcher Internal Water Heater is used add 1 sq. ft. per gallon for Steam Boilers or 2 sq. ft. per gallon for Water Boilers to the standing radiator load. If the ordinary external water heater is used, add 2 sq. ft. per gallon for Steam Boilers and 3 sq. ft. per gallon for Water Boilers. If an Internal Water Heater is desired with Water Boilers use the "OilMaster" Internal Water Heater on page 6.

"INTERNAL" WATER HEATERS-FOR COAL

FOR NO. 1 SERIES DE LUXE AND TRIPLE-FIRE COAL STEAM BOILERS

Number	Capacity Gallons	Used In	Size Tappings	Net Trade Price
5	40	All Sizes	¾ In.	$6.00
6	66	176 BS or 62-S up	¾ "	9.00
7	82	175 BS or 61-S up	1 "	11.00
8	100	177 BS or 63-S up	1 "	13.00
9	120	178 BS or 64-S up	1 "	15.00
10	144	180 BS or 66-S up	1 "	17.00

The "Internal Water Heater" is designed for use in the No. 1 Series DeLuxe and Triple-Fire Steam Boilers for coal only. For Water Boilers or other fuels than hand-fired coal, the "Oilmaster" Internal Heater on page 6 will supply abundant hot water.

THATCHER "DELUXE" BOILERS

NOS. 2 AND 3 SERIES

ENAMEL JACKETED—FOR COAL

STEAM

	Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
No. 2 Series	237-S	1400	700	$178.00	1860
	238-S	1600	800	190.00	2005
	239-S	1800	900	203.00	2200
	240-S	2000	1000	216.00	2355
	241-S	2200	1100	229.00	2550
	242-S	2400	1200	242.00	2710
	243-S	2600	1300	255.00	2905
No. 3 Series	266 T-S	2300	1150	236.00	2415
	267 T-S	2900	1450	271.00	2928
	268 T-S	3500	1750	306.00	3449
	269 T-S	4100	2050	341.00	3966
	270 T-S	4700	2350	376.00	4477
	271 T-S	5300	2650	411.00	4999

WATER

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
237-W	2240	1120	$178.00	1850
238-W	2560	1280	190.00	1995
239-W	2880	1440	203.00	2190
240-W	3200	1600	216.00	2345
241-W	3520	1760	229.00	2540
242-W	3840	1920	242.00	2700
243-W	4160	2080	255.00	2895
266 T-W	3680	1850	228.00	2415
267 T-W	4640	2325	263.00	2928
268 T-W	5600	2800	298.00	3449
269 T-W	6560	3300	333.00	3966
270 T-W	7520	3775	368.00	4477
271 T-W	8480	4250	403.00	4999

Steam Boilers furnished with regular steam trimmings—Water Boilers furnished with Altitude Gauge, Thermometer and Automatic Damper Regulator.

THATCHER "DELUXE" BOILERS

NOS. 2 AND 3 SERIES

UNJACKETED — FOR COAL

STEAM

	Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
No. 2 Series	1237-S	1400	700	$163.00	1745
	1238-S	1600	800	174.00	1870
	1239-S	1800	900	185.00	2050
	1240-S	2000	1000	196.00	2190
	1241-S	2200	1100	207.00	2375
	1242-S	2400	1200	218.00	2520
	1243-S	2600	1300	229.00	2705
No. 3 Series	1266 T-S	2300	1150	212.00	2244
	1267 T-S	2900	1450	246.00	2740
	1268 T-S	3500	1750	280.00	3236
	1269 T-S	4100	2050	314.00	3731
	1270 T-S	4700	2350	348.00	4217
	1271 T-S	5300	2650	382.00	4723

WATER

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
1237-W	2240	1120	$163.00	1735
1238-W	2560	1280	174.00	1860
1239-W	2880	1440	185.00	2040
1240-W	3200	1600	196.00	2180
1241-W	3520	1760	207.00	2365
1242-W	3840	1920	218.00	2510
1243-W	4160	2080	229.00	2695
1266 T-W	3680	1850	205.00	2244
1267 T-W	4640	2325	239.00	2740
1268 T-W	5600	2800	273.00	3236
1269 T-W	6560	3300	307.00	3731
1270 T-W	7520	3775	341.00	4217
1271 T-W	8480	4250	372.00	4723

Steam Boilers furnished with regular steam trimmings—Water Boilers furnished with firing tools only.

"Advised Load, Sq. Ft. E.D.R." means that the installed radiation PLUS the usual allowances for pipe-loss and hot water —if a hot water heater is attached to the boiler—must not exceed these ratings. Thatcher Internal Water Heaters cannot be used with the Nos. 2 and 3 Series "DeLuxe" Boilers

THATCHER ROUND BOILERS
FOR COAL

STEAM

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
117-S	350	175	$72.00	775
217-S	400	200	78.00	845
317-S	450	225	85.00	902
119-S	500	250	78.00	894
219-S	600	300	85.00	985
319-S	650	325	91.00	1039
120-S	700	350	91.00	1034
220-S	800	400	98.00	1122
320-S	850	425	105.00	1204
123-S	950	475	98.00	1269
223-S	1050	525	105.00	1382
323-S	1100	550	111.00	1551
126-S	1200	600	118.00	1525
226-S	1300	650	124.00	1668
326-S	1400	700	130.00	1796
129-S	1500	750	137.00	1736
229-S	1600	800	144.00	1908
329-S	1700	850	151.00	2068

WATER

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
117-W	600	300	$65.00	736
217-W	700	350	71.00	805
317-W	800	400	76.00	858
119-W	900	450	71.00	870
219-W	1000	500	76.00	941
319-W	1100	550	83.00	994
120-W	1200	600	83.00	947
220-W	1300	650	89.00	1067
320-W	1400	700	94.00	1148
123-W	1500	750	89.00	1195
223-W	1650	825	94.00	1330
323-W	1800	900	101.00	1428
126-W	1950	975	107.00	1479
226-W	2150	1075	112.00	1611
326-W	2350	1175	119.00	1738
129-W	2550	1275	125.00	1690
229-W	2750	1375	131.00	1862
329-W	2950	1475	137.00	2022

Steam Boilers furnished with regular steam trimmings—Water Boilers furnished with firing tools only—Thermometer, $1.00 extra, net—Altitude Gauge, $2.75 extra, net.

"Advised Load, Sq. Ft. E.D.R." means that the installed radiation PLUS the usual allowances for pipe-loss and hot water—if a hot water heater is attached to the boiler—must not exceed these ratings.

THATCHER "TRIPLE FIRE" BOILERS
ENAMEL JACKETED—FOR STOKER

STEAM

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
L 62-S	500	375	$112.00	1231
L 63-S	600	450	127.00	1414
L 64-S	700	525	142.00	1536
L 65-S	800	600	157.00	1678
L 66-S	900	675	172.00	1965

WATER

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
L 62-W	800	600	$108.00	1231
L 63-W	960	720	123.00	1414
L 64-W	1120	840	138.00	1536
L 65-W	1280	960	153.00	1678
L 66-W	1440	1080	168.00	1965

For Internal Water Heaters for "Triple-Fire" Stoker Boilers see "Oilmaster" Internal Heaters on page 6 and Tankless Heaters on page 6.

Above Steam Boilers furnished with regular steam trimmings less regulator—Water Boilers furnished with Altitude Gauge and Thermometer only.

THATCHER "TRIPLE FIRE" BOILERS
ENAMEL JACKETED—FOR GAS

STEAM

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
G 61-S	460	320	$101.00	1078
G 62-S	545	380	112.00	1231
G 63-S	630	440	127.00	1414
G 64-S	715	500	142.00	1536
G 65-S	800	560	157.00	1678
G 66-S	885	620	172.00	1965

WATER

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
G 61-W	735	515	$97.00	1078
G 62-W	870	610	108.00	1231
G 63-W	1005	705	123.00	1414
G 64-W	1140	800	138.00	1536
G 65-W	1275	895	153.00	1678
G 66-W	1410	990	168.00	1965

On the "Triple-Fire" Boilers for Stoker or Gas "Installed Radiation, Sq. Ft." means installed radiation sufficient for the requirements of the building. Allowance has been made for normal piping and pick-up. If the Thatcher "Oilmaster" Internal Water Heater is used add 1 sq. ft. per gallon for steam boilers or 2 sq. ft. per gallon for water Boilers to the standing radiator load.

THATCHER "PROGRESS" SECTIONAL BOILERS

"SIDE FEED" — FOR COAL

SINGLE SERIES—STEAM

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
604-S	5000	2500	$424.00	5424
704-S	5900	2950	466.00	6090
804-S	6800	3400	517.00	6909
904-S	7700	3850	568.00	7653
1004-S	8600	4300	619.00	8437
1104-S	9500	4750	670.00	9047
1204-S	10400	5200	721.00	9973
1304-S	11300	5650	772.00	10709
1404-S	12200	6100	825.00	12050

STEAM

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs
1504-S	12300	6150	$1016.00	13259
1604-S	13200	6600	1066.00	14078
1704-S	14100	7050	1117.00	14822
1804-S	15000	7500	1168.00	15566
1904-S	15900	7950	1219.00	16350
2004-S	16800	8400	1270.00	17134
2104-S	17700	8850	1321.00	17744
2204-S	18600	9300	1372.00	18354
2304-S	19500	9750	1423.00	19280
2404-S	20400	10200	1474.00	20206
2504-S	21300	10650	1524.00	20942
2604-S	22200	11100	1575.00	21678
2704-S	23100	11550	1626.00	22514
2804-S	24000	12000	1677.00	23350
2904-S	24900	12450	1728.00	24186

Above boilers furnished with regular steam trimmings.

SINGLE SERIES—WATER

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
604-W	8000	4000	$417.00	5400
704-W	9500	4750	459.00	6066
804-W	11000	5500	509.00	6885
904-W	12500	6250	561.00	7629
1004-W	14000	7000	612.00	8413
1104-W	15500	7750	663.00	9023
1204-W	17000	8500	713.00	9949
1304-W	18500	9250	764.00	10685
1404-W	20000	10000	815.00	12026

WATER

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
1504-W	20100	10050	$1001.00	13207
1604-W	21600	10800	1052.00	14026
1704-W	23100	11550	1102.00	14770
1804-W	24600	12300	1153.00	15514
1904-W	26100	13050	1204.00	16298
2004-W	27600	13800	1255.00	17082
2104-W	29100	14550	1306.00	17692
2204-W	30600	15300	1357.00	18302
2304-W	32100	16050	1408.00	19238
2404-W	33600	16800	1459.00	20154
2504-W	35100	17550	1510.00	20890
2604-W	36600	18300	1560.00	21626
2704-W	38100	19050	1611.00	22462
2804-W	39600	19800	1662.00	23298
2904-W	41150	20550	1713.00	24134

Above boilers furnished with firing tools only.
Thermometer $1.00 extra—net. Altitude Gauge, $2.75 extra—net.

"Advised Load, Sq. Ft. E.D.R." means that the installed radiation PLUS the usual allowances for pipe-loss and hot water—if a hot water heater is attached to the boiler—must not exceed these ratings.

Thatcher Geyser Tank Heaters

Tested to 300 lbs. Pressure
Guaranteed to 125 lbs. Pressure

DOME TYPE

No. of Heater	Capacity Gallons	Maximum Families	Net Trade Prices		
			Plain Section	Copperized Section	Galvanized Section
150	55	1	$10.00	$11.25	$14.25
162	70	1-2	11.50	13.00	16.00
170	100	2-3	15.50	17.75	21.00
510	150	3-4	25.50	28.50	31.00
512	300	4-8	30.00	36.00	43.50
514	450	8-11	41.50	48.00	52.50
516	600	12-15	53.00	64.00	75.00

Note: For Cast Iron Ash Pit Bottoms add $1.00 to list.

FLAT TOP TYPE

No. of Heater	Capacity Gallons	Net Trade Prices		
		Plain Section	Copperized Section	Galvanized Section
40	52	$8.50	$9.50	$11.50
*50	66	12.75	13.75	16.00
70	82	13.25	14.25	16.50

*Furnished with Two Hole Laundry Top.

Note: For Cast Iron Ash Pit Bottoms and Legs add $1.25 to list.

THATCHER OILMASTER BOILERS

JACKETED — "SERIES 20"

STEAM

No.	Installed Radiation Sq. Ft.	Net Trade Price	Shipping Weight	
			Less Ext.	With Ext.
015-S	335	$114.00	1201	1285
016-S	410	130.00	1385	1469
017-S	485	147.00	1564	1648
018-S	560	163.00	1756	1840
019-S	635	180.00	1925	2009
020-S	710	196.00	2125	2209
021-S	785	213.00	2321	2405
022-S	860	229.00	2510	2594

WATER

No.	Installed Radiation Sq. Ft.	Net Trade Price	Shipping Weight	
			Less Ext.	With Ext.
015-W	535	$110.00	1201	1285
016-W	655	126.00	1385	1469
017-W	775	143.00	1564	1648
018-W	895	159.00	1756	1840
019-W	1015	176.00	1925	2009
020-W	1135	192.00	2125	2209
021-W	1255	209.00	2321	2405
022-W	1375	225.00	2510	2594

Add for 24" Extension $10.00
Add for Low Water Cutoff 10.00

"OILMASTER" WATER HEATERS

Number	Capacity Gallons*	Size Tappings, Inches	Net Trade Price	For Use In
1	30-40	1	$7.00	No. 015 or larger
2	40-50	1	8.00	No. 016 or larger
2½	50-66	1	9.00	No. 017 or larger
3	60-80	1	10.00	No. 018 or larger
4	80-100	1	11.00	No. 020 or larger

*Capacity based on Boiler Water Temperature of 180°.

Boiler ratings shown are for actual amount of standing cast iron Radiation. An allowance of 25% for covered piping and an additional 25% for pick-up has already been made. When an internal domestic hot water heater is used one (1) square foot per gallon on steam systems and two (2) square feet per gallon on hot water systems must be deducted from the rated capacity to secure the standing Radiation load the Boiler will carry.

To use Internal Water Heaters at the higher rating, the hot water storage tank must be placed in a horizontal position.

THATCHER TANKLESS HEATER

Number	Capacity	Price
18	180	$35.00

When the Thatcher Tankless Heater is used add to the standing radiation an allowance of 50 sq. ft. per bathroom on Steam or 80 sq. ft. per bathroom on Water. The Tankless Heater can be used with the "Oilmaster," "Triple-Fire" and "Red King" Boilers. We recommend the use of a Mixing Valve with Tankless Heaters.

Thatcher "Red King" Oil Burning Boiler

WITH EXTENDED JACKET

STEAM

Number	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
085 B-S	260	$108.00	1113
086 B-S	320	126.00	1246

WATER

Number	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
085 B-W	420	$108.00	1113
086 B-W	520	126.00	1246

The "Red King" Boiler is rated on the same basis as the "OilMaster", xplained above. The No. 1 Internal Heater may be used with any "Red King" Boiler and the No. 2 Heater with the #086B-S or #086B-W.

For Tankless Heater see above.

THATCHER "TRIPLE FIRE" BOILERS

ENAMEL JACKETED — FOR OIL

STEAM

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
061-S	460	320	$101.00	1078
062-S	545	380	112.00	1231
063-S	630	440	127.00	1414
064-S	715	500	142.00	1536
065-S	800	560	157.00	1678
066-S	885	620	172.00	1965

Add for 24" Extension $10.00

WATER

Number Boiler	Rating Sq. Ft.	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
061-W	735	515	$97.00	1078
062-W	870	610	108.00	1231
063-W	1005	705	123.00	1414
064-W	1140	800	138.00	1536
065-W	1275	895	153.00	1678
066-W	1410	990	168.00	1965

Add for Low Water Cutoff..... 10.00

For Internal and Tankless Water Heaters see "Oilmaster" Water Heaters and Tankless Heaters on opposite page.

THATCHER "DE LUXE" BOILERS

NOS. 1, 2 AND 3 SERIES

ENAMEL JACKETED — FOR OIL

STEAM

	Number Boiler	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
No. 1 Series	0175 B-S	260	$81.00	1065
	0176 B-S	310	94.00	1118
	0177 B-S	360	107.00	1208
	0178 B-S	410	120.00	1522
	0179 B-S	460	133.00	1682
	0180 B-S	510	146.00	1824
	0181 B-S	560	159.00	1986
	0182 B-S	610	172.00	2146
No. 2 Series	0237-S	525	168.00	1700
	0238-S	600	180.00	1825
	0239-S	675	192.00	2000
	0240-S	750	204.00	2130
	0241-S	825	216.00	2300
	0242-S	900	228.00	2445
	0243-S	975	240.00	2620
No. 3 Series	0266 T-S	800	222.00	2207
	0267 T-S	980	256.00	2783
	0268 T-S	1160	290.00	3267
	0269 T-S	1340	324.00	3747
	0270 T-S	1520	358.00	4201
	0271 T-S	1700	395.00	4706

WATER

Number Boiler	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
0175 B-W	420	$73.00	1060
0176 B-W	500	85.00	1113
0177 B-W	580	97.00	1203
0178 B-W	660	109.00	1517
0179 B-W	740	121.00	1677
0180 B-W	820	133.00	1819
0181 B-W	900	145.00	1981
0182 B-W	980	157.00	2141
0237-W	850	168.00	1690
0238-W	970	180.00	1815
0239-W	1090	192.00	1990
0240-W	1210	204.00	2120
0241-W	1330	216.00	2290
0242-W	1450	228.00	2435
0243-W	1570	240.00	2610
0266 T-W	1300	215.00	2207
0267 T-W	1590	249.00	2783
0268 T-W	1880	283.00	3267
0269 T-W	2170	317.00	3747
0270 T-W	2460	351.00	4201
0271 T-W	2750	385.00	4706

Above Boilers are priced and shipped less the regulator; all grate parts and firing tools except flue brushes.

Ratings on the "Triple-Fire" Boiler for Oil and the Nos. 1, 2 and 3 "DeLuxe" Boilers for Oil are based on installed radiation sufficient for the requirements of the building. Allowance has been made for normal piping and pick-up. The usual allowances must be made for Hot Water Heaters attached to the Boiler. The "Oilmaster" Internal Water Heater may be used with the No. 1 Series "DeLuxe" Boiler and the "Triple-Fire" Boiler but not with the Nos. 2 and 3 Series "DeLuxe" Boilers. The Tankless Water Heater may be used with the "Triple-Fire" Boiler.

Thatcher "Oilburner" Oil Burning Boiler

JACKETED

STEAM

Number Boiler	Net Trade Price	Installed Radiation Sq. Ft.	Approx. Shipping Wgt., Lbs.
045-S	$273.00	1175	2783
046-S	309.00	1400	3267
047-S	345.00	1625	3747
048-S	381.00	1850	4201
049-S	417.00	2075	4706

WATER

Number Boiler	Net Trade Price	Installed Radiation Sq. Ft.	Approx. Shipping Wgt., Lbs.
045-W	$273.00	1875	2783
046-W	309.00	2250	3267
047-W	345.00	2625	3747
048-W	381.00	3000	4201
049-W	417.00	3375	4706

Above prices include necessary tappings for installation of external water heater, when specified on the order.

Boiler ratings shown are for actual amount of standing cast iron Radiation. An allowance of 25% for covered piping and an additional 25% for pick-up has already been made. When a domestic hot water heater is used two (2) square feet per gallon on steam systems and three (3) square feet per gallon on hot water systems must be deducted from the rated capacity to secure the standing Radiation load the Boiler will carry.

THATCHER "PROGRESS" SECTIONAL BOILERS

FOR AUTOMATIC FIRING — OIL OR STOKER

SINGLE SERIES—STEAM

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
0704-S	6500	3250	$449.00	5601
0804-S	7500	3750	498.00	6357
0904-S	8500	4250	549.00	7040
01004-S	9500	4750	599.00	7762
01104-S	10500	5250	649.00	8323
01204-S	11500	5750	701.00	9174
01304-S	12500	6250	748.00	9853
01404-S	13500	6750	798.00	11085

SINGLE SERIES—WATER

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
0704-W	10400	5200	$442.00	5580
0804-W	12000	6000	492.00	6333
0904-W	13600	6800	543.00	7019
01004-W	15200	7600	591.00	7740
01104-W	16800	8400	641.00	8301
01204-W	18400	9200	691.00	9168
01304-W	20000	10000	741.00	9845
01404-W	21600	10800	791.00	11078

TWIN SERIES—STEAM

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
01504-S	13600	6800	$981.00	12198
01604-S	14600	7300	1028.00	12951
01704-S	15600	7800	1078.00	13636
01804-S	16600	8300	1127.00	14320
01904-S	17600	8800	1176.00	15041
02004-S	18600	9300	1224.00	15763
02104-S	19600	9800	1273.00	16324
02204-S	20600	10300	1320.00	16885
02304-S	21600	10800	1371.00	17736
02404-S	22600	11300	1419.00	18590
02504-S	23600	11800	1468.00	19266
02604-S	24600	12300	1517.00	19943
02704-S	25600	12800	1566.00	20713
02804-S	26600	13300	1614.00	21482
02904-S	27600	13800	1663.00	22250

TWIN SERIES—WATER

Number Boiler	Rating Sq. Ft.	Advised Load Sq. Ft. E. D. R.	Net Trade Price	Approx. Shipping Wgt., Lbs.
01504-W	21700	10850	$966.00	12151
01604-W	23300	11650	1014.00	12904
01704-W	24900	12450	1063.00	13587
01804-W	26500	13250	1112.00	14273
01904-W	28100	14050	1161.00	14993
02004-W	29700	14850	1210.00	15714
02104-W	31300	15650	1258.00	16275
02204-W	32900	16450	1307.00	16838
02304-W	34400	17200	1356.00	17699
02404-W	36000	18000	1405.00	18541
02504-W	37600	18800	1453.00	19217
02604-W	39200	19600	1502.00	19896
02704-W	40800	20400	1551.00	20664
02804-W	42400	21200	1600.00	21433
02904-W	44000	22000	1648.00	22203

Above boilers are priced and shipped less the regulator; all grate parts including bars, hangers, shaker, etc., and all firing tools except the flue brush.

The "Progress" Boiler is rated on "Advised Load, Sq. Ft. E.D.R." which means that the installed radiation plus the usual allowances for pipe-loss, pick-up and hot water—if an external water heater is attached to the boiler—must not exceed these ratings.

THATCHER "DELUXE" BOILERS

NOS. 2 AND 3 SERIES

UNJACKETED — FOR OIL

STEAM

	Number Boiler	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
No. 2 Series	01237-S	525	$152.00	1585
	01238-S	600	162.00	1690
	01239-S	675	172.00	1850
	01240-S	750	182.00	1965
	01241-S	825	192.00	2125
	01242-S	900	202.00	2255
	01243-S	975	212.00	2420
No. 3 Series	01266 T-S	800	197.00	2036
	01267 T-S	980	230.00	2595
	01268 T-S	1160	263.00	3054
	01269 T-S	1340	296.00	3512
	01270 T-S	1520	329.00	3941
	01271 T-S	1700	359.00	4430

WATER

Number Boiler	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
01237-W	850	$152.00	1575
01238-W	970	162.00	1680
01239-W	1090	172.00	1840
01240-W	1210	182.00	1955
01241-W	1330	192.00	2115
01242-W	1450	202.00	2245
01243-W	1570	212.00	2410
01266 T-W	1300	190.00	2036
01267 T-W	1590	223.00	2595
01268 T-W	1880	256.00	3054
01269 T-W	2170	289.00	3512
01270 T-W	2460	322.00	3941
01271 T-W	2750	352.00	4430

Above Boilers are priced and shipped less the regulator; all grate parts and firing tools except the flue brush.

Thatcher Round Boilers for Oil

STEAM

Number Boiler	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
0217-S	235	$71.00	777
0317-S	275	78.00	830
0219-S	285	78.00	905
0319-S	330	84.00	956
0220-S	315	89.00	1032
0320-S	365	96.00	1108
0223-S	345	96.00	1270
0323-S	410	102.00	1426
0226-S	430	115.00	1534
0326-S	505	121.00	1651
0229-S	525	134.00	1718
0329-S	630	141.00	1902

WATER

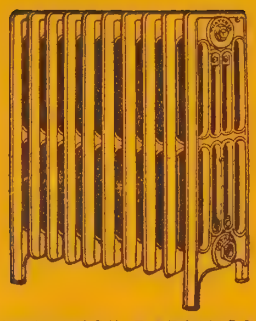
Number Boiler	Installed Radiation Sq. Ft.	Net Trade Price	Approx. Shipping Wgt., Lbs.
0217-W	350	$67.00	741
0317-W	410	72.00	789
0219-W	415	72.00	865
0319-W	495	79.00	913
0220-W	455	84.00	981
0320-W	540	89.00	1056
0223-W	520	89.00	1223
0323-W	620	96.00	1314
0226-W	635	106.00	1482
0326-W	760	113.00	1599
0229-W	775	124.00	1712
0329-W	955	130.00	1860

Above boilers are priced and shipped less the regulator; all grate parts including bars, hangers, shaker, etc., and all firing tools except the flue brush.

"Installed Radiation, Sq. Ft." used with the Nos. 2 and 3 Series "DeLuxe" for Oil and the Round Boilers for Oil is based on installed radiation sufficient for the requirements of the building. Allowance has been made for normal pipe-loss and pick-up. The usual allowance for hot water must be added to the installed radiation if external heaters are attached to these boilers.

THATCHER RADIATORS

"GOTHIC" AND "CHARM"



"GOTHIC" RADIATOR

"CHARM" RADIATOR

THATCHER RADIATORS

BASE PRICES PER SQUARE FOOT

Pattern	Width	Height Inches	Base Prices per Sq. Ft.
Thatcher "Gothic"	3, 4, 5, 6 Tube	38	$ .28½
	3, 4, 5, 6 Tube	32	.30½
	3, 4, 5, 6 Tube	26	.32
	5 Tube	23	.33½
	3, 4, 5, 6, 7 Tube	20	.35
	6 Tube	18	.37½
	7 Tube	17	.37½
	6, 7 Tube	14	.39½
Thatcher "Charm"	6 Tube	32	.31½
	5 Tube	26	.33
	3, 4 Tube	25	.33
Sold Only in Even Number of Sections	5 Tube	23	.34½
	3, 4 Tube	22	.34½
	5, 6 Tube	20	.36
	3, 4 Tube	19	.36
	6 Tube	17	.38½

THATCHER "GOTHIC" RADIATORS

Style	Height in Inches	*Length per Section	Sq. Ft. per Section
3-Tube For Steam or Water Installations	38	2½ In.	3½
	32	2½ "	3
	26	2½ "	2 1/3
	20	2½ "	1¾
4-Tube For Steam or Water Installations	38	2½ In.	4¼
	32	2½ "	3½
	26	2½ "	2¾
	20	2½ "	2¼
5-Tube For Steam or Water Installations	38	2½ In.	5
	32	2½ "	4 1/3
	26	2½ "	3½
	23	2½ "	3
	20	2½ "	2 2/3
6-Tube For Steam or Water Installations	38	2½ In.	6
	32	2½ "	5
	26	2½ "	4
	20	2½ "	3
	18	2½ "	2¾
	14	2½ "	2
7-Tube For Steam or Water Installations	20	2½ In.	3 2/3
	17	2½ "	3
	14	2½ "	2½

*Add ½ inch to length for each bushing.

Carload Price—Current Trade Price less 5%.

Two (2) carloads or more—Current Trade Price less 7½%.

Six (6) carloads or more—Current Trade Price less 10%.

These quantity discounts apply to the Trade only.

The lower heights of above radiators, especially the six and seven tube, are made for window radiators. The three, four and five tube Gothic Radiators may be furnished without leg sections and used for Wall Radiators.

Weight

The approximate weight, per square foot, of Thatcher Gothic Tube Radiation may be taken as 5½ pounds.

THATCHER "CHARM" SLENDER R ADIATORS

FOR EXPOSED OR RECESSED INSTALLATIONS

Style	Height in Inches	*Length per Section	Sq. Ft. per Section
Three Tube	19"	1½"	1.1
	22"	1½"	1.3
	25"	1½"	1.5
Four Tube	19"	1½"	1.4
	22"	1½"	1.6
	25"	1½"	1.8
Five Tube	20"	1½"	1.8
	23"	1½"	2.1
	26"	1½"	2.4
Six Tube	17"	1½"	1.8
	20"	1½"	2.2
	32"	1½"	3.8

* Add ½ inch to length for each bushing.

Weight

The approximate weight, per square foot, of Thatcher "Charm" Radiators may be taken as 4½ pounds.

IMPORTANT: Thatcher "Charm" Radiators will be assembled and shipped only in EVEN NUMBER OF SECTIONS.

Carload Price—Current Trade Price less 5%.

Two (2) carloads or more—Current Trade Price less 7½%.

Six (6) carloads or more—Current Trade Price less 10%.

These quantity discounts apply to the Trade only.

TRADE PRICE LIST

EFFECTIVE JUNE 1st, 1938

All prices herein quoted supersede all prior quotations and are subject to change without notice. In the event of a price change orders for future delivery at prices quoted in this sheet will be accepted only where the quantities required represent a carload of radiation (5,500 sq. ft.) and/or a boiler of equivalent size for a single specific building. Such Future Delivery Contracts will be accepted subject to verification and orders which are not authentic will be returned. Future Delivery Contracts, as specified above, will only be accepted if actually mailed to us or to Jobbers representing us before the effective date of a price change. Any other orders, including residential developments, will be invoiced at prices in effect at time of shipment.

GENERAL TERMS, GUARANTEE, ETC.

TERMS: Invoices dated from the 1st to the 15th of the month inclusive, will be subject to a cash discount of two percent (2%) if paid on or before the 25th of that month and will be due net on the next succeeding day. Invoices dated from the 16th to the end of the month inclusive, will be subject to a cash discount of two percent (2%) if paid on or before the 10th of the next following month and will be due net on the next succeeding day. The legal rate of interest will be charged on all past due accounts.

Freight allowances must be deducted from invoice before applying cash discount. Prepaid freight or cartage charges paid by us and added to invoice are not subject to cash discount.

FREIGHT ALLOWANCE

Prices quoted herein are F.O.B. point of manufacture—Newark or Garwood, N. J.—with full freight allowed on both carload and less than carload shipments to railroad point of destination in the following States: Connecticut, Delaware, District of Columbia, Illinois, Indiana, Maryland, Massachusetts, Southern Michigan, New Jersey, New York, Ohio, Pennsylvania, Rhode Island.

Freight costs to the following States will be equalized with competitive points of manufacture or distribution: Alabama, Florida, Georgia, Iowa, Kentucky, Louisiana, Northern Michigan, Maine, Minnesota, Mississippi, New Hampshire, North Carolina, South Carolina, Tennessee, Vermont, Virginia and West Virginia.

To points where boilers and radiators can be delivered by truck at no greater cost than by freight, truck deliveries may be made.

Freight allowance on shipments to other States will be quoted on application.

No freight allowance will be made on shipments of repairs for boilers or radiators or on any shipment of less than 100 lbs.

TAXES: To the prices and terms quoted add any Manufacturers' or Sales Tax payable on the transaction under any effective statute.

CLAIMS: As all goods are shipped at buyers' risk, they should be examined carefully before he signs railroad receipts. If transportation company tenders delivery of goods in bad order, buyer should insist on railroad agents making notation of condition on freight bills, thus enabling buyer to secure prompt payment of railroad claims which may be filed by him for value of the damaged material.

GUARANTEE: Our goods are guaranteed only to the extent of furnishing by freight new parts for any found defective in manufacture. No claim will be allowed unless presented within sixty (60) days after receipt of goods. All replacement parts for material claimed defective will be invoiced in usual manner, such invoices being subject to adjustment after alleged defective material has been returned to plant for inspection. No materials to be returned without written permission.

RETURNED GOODS: Good material of standard manufacture must not be returned for credit without first securing written permission, and when so returned will be subject to a deduction of ten per cent (10%) for rehandling, and all transportation charges, including freight and cartage, will be paid by shipper.
Material made on special order is not subject to return.

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers — Radiators — Furnaces — Air Conditioners

39-41 ST. FRANCIS STREET NEWARK, N. J.

TRADE PRICE SHEET

December 20, 1938

50 SERIES

THATCHER "RED KING" BOILER

STEAM			WATER		
Number	Standing Radiation	Price	Number	Standing Radiation	Price
055-S	280 ft.	$108.00	055-W	435 ft.	$108.00
056-S	340 ft.	126.00	056-W	535 ft.	126.00
057-S	400 ft.	144.00	057-W	635 ft.	144.00

Built-in Tankless Heater $28.00
(Add to price of boiler)

NOTE: #1 - The Tankless Heater is built in the back section of the boiler and, therefore, the order must specify that the boiler is to be shipped with Tankless Heater.

NOTE:#2 - Ratings are shown for actual standing radiation with all allowance made for normal piping and pick-up. If the Tankless Heater is used, subtract fifty (50) feet per bathroom for steam or eighty (80) feet per bathroom for water from the rated capacity of the boiler. We do not recommend Tankless Heaters for a house containing more than two bathrooms.

THATCHER FURNACE COMPANY

Newark, New Jersey.

Net Trade Prices

"A Series" OilMaster Boiler

February 14th, 1939.

Boiler No.	Installed Rad. Sq. Ft.	Price	Boiler No.	Installed Rad. Sq. Ft.	Price
015-AS	335	$ 118.00	015-AW	535	$ 114.00
016-AS	410	134.00	016-AW	655	130.00
017-AS	485	151.00	017-AW	775	147.00
018-AS	560	167.00	018-AW	895	163.00
019-AS	635	184.00	019-AW	1015	180.00
020-AS	710	200.00	020-AW	1135	196.00

#39 Tankless Heater - - $ 28.00
(Built in the back section)

The Tankless Heater must be ordered with the Boiler. It has a capacity of 180 gallons per hour and may be used for a house with one or two bathrooms. It is not recommended for regions where there is excessive lime in the water.

* * * * *

The "A Series" OilMaster Boiler is furnished only with extension casing.

* * * * *

The regular Internal Water Heaters, for use with storage-tanks, can be furnished as shown on page 8 of our current Boiler Price Sheet.

T H A T C H E R F U R N A C E C O M P A N Y

Newark, New Jersey.

March 24th, 1939.

New Prices on PROGRESS BOILERS FOR OIL superseding Sheet of

June 1st, 1938.

S T E A M		W A T E R	
Boiler No.	Net Trade Price	Boiler No.	Net Trade Price
0704-S	$ 402.00	0704-W	$ 395.00
0804-S	444.00	0804-W	437.00
0904-S	486.00	0904-W	479.00
01004-S	528.00	01004-W	521.00
01104-S	570.00	01104-W	563.00
01204-S	612.00	01204-W	605.00
01304-S	654.00	01304-W	647.00
01404-S	696.00	01404-W	689.00
01504-S	876.00	01504-W	861.00
01604-S	918.00	01604-W	903.00
01704-S	960.00	01704-W	945.00
01804-S	1002.00	01804-W	987.00
01904-S	1044.00	01904-W	1029.00
02004-S	1086.00	02004-W	1071.00
02104-S	1128.00	02104-W	1113.00
02204-S	1170.00	02204-W	1155.00
02304-S	1212.00	02304-W	1197.00
02404-S	1254.00	02404-W	1239.00
02504-S	1296.00	02504-W	1281.00
02604-S	1338.00	02604-W	1323.00
02704-S	1380.00	02704-W	1365.00
02804-S	1422.00	02804-W	1407.00
02904-S	1464.00	02904-W	1449.00

THATCHER FURNACE COMPANY

Newark, New Jersey.

March 24th, 1939.

New Prices on PROGRESS BOILERS FOR COAL superseding Sheet of June 1st, 1938.

STEAM		WATER	
Boiler No.	Net Trade Price	Boiler No.	Net Trade Price
604-S	$ 400.00	604-W	$ 392.00
704-S	447.00	704-W	439.00
804-S	494.00	804-W	486.00
904-S	541.00	904-W	533.00
1004-S	588.00	1004-W	580.00
1104-S	635.00	1104-W	627.00
1204-S	682.00	1204-W	674.00
1304-S	729.00	1304-W	721.00
1404-S	776.00	1404-W	768.00
1504-S	958.00	1504-W	943.00
1604-S	1005.00	1604-W	990.00
1704-S	1052.00	1704-W	1037.00
1804-S	1099.00	1804-W	1084.00
1904-S	1146.00	1904-W	1131.00
2004-S	1193.00	2004-W	1178.00
2104-S	1240.00	2104-W	1225.00
2204-S	1287.00	2204-W	1272.00
2304-S	1334.00	2304-W	1319.00
2404-S	1381.00	2404-W	1366.00
2504-S	1428.00	2504-W	1413.00
2604-S	1475.00	2604-W	1460.00
2704-S	1522.00	2704-W	1507.00
2804-S	1569.00	2804-W	1554.00
2904-S	1616.00	2904-W	1601.00

TRADE PRICES

EFFECTIVE APRIL 21st, 1939

THATCHER

WARM AIR FURNACES

NEW METEOR PIPE FURNACE

No. of Heater	Net Price Less Casings	Add for Casings and Top	Diameter Casing, Inches	Heat Pipe Capacity, Sq. In.
18-36	$43.25	$5.75	36	369
20-40	53.75	7.00	40	403
22-44	63.00	8.50	44	475
24-48	72.50	9.25	48	585
26-52	88.25	10.50	52	715
*30-U	121.25	17.75	58	1053

Furnished with Triangular Grates and Revolving Shaker only.
*No. 30 furnished in U-Series with Flat Grates and Upright Shaker Handle.

WARM FRIEND PIPELESS FURNACE

No. of Heater	Price Complete	Diameter Outer Casing, Inches	Floor Opening For Register, Inches	Approx. Htg. Cap., Cu. Ft.
18-40	$67.50	40	25½ X 25½	8-10,000
20-44	78.00	44	28¼ X 28¼	10-15,000
22-48	93.50	48	31 X 31	15-22,000
24-52	107.25	52	34 X 34	22-27,000

Furnished with Triangular Grates and Revolving Shaker only.

Reduction of 5% on Furnace only for omission of Grate Equipment allowed on New Meteor and Warm Friend Furnaces.

AUTOMATIC DRIP HUMIDIFIER

No.	Size	Price
14	24-3/8 X 8	$10.50
16	34-1/16 X 5½	10.50
18	27-3/4 X 8	10.50
21	34-5/16 X 8	10.50

SOLAR HEAT STEEL FURNACE (FOR COAL)

No. of Heater	Net Price Less Casings	Add for Casings and Top	Grate Area Sq. In.	Diameter Casing, Inches	Height Furnace, Inches	Heat Pipe Capacity, Sq. In.
20 C	$61.00	$7.50	226	41	48	400
22 C	73.00	8.50	283	43	48	490
24 C	84.00	10.00	346	45	48	590
26 C	110.00	11.50	452	48	50	700
300 A	160.00	14.00	531	53	52	878
340 A	220.00	19.00	755	63	52	1185

C-Series Furnaces are furnished with Duplex Grates and Upright Shaker Handle.
A-Series Furnaces are furnished with Flat Grates and Upright Shaker Handle.
*Has extra large radiator.

SOLAR HEAT STEEL FURNACE (FOR OIL)

No. of Heater	Net Price Less Casings	Add for Casings and Top	Diameter Casing, Inches	Height Furnace, Inches	Heat Pipe Capacity, Sq. In.
240	$114.00	$11.00	46	50	638
260	147.00	13.00	50	52	785
300	168.00	14.00	52	52	878
340	232.00	19.00	63	52	1185

This furnace furnished with special EXTRA-LARGE radiator for oil.

We also make complete Air Conditioning Units — for Coal — Oil or Gas Burning.

Send for Price List and Catalog.

Terms and Freight

TERMS

Two per cent discount for cash 10th of month following shipment or net end of month following shipment. All prices herein quoted are subject to the addition of any manufacturer's or sales tax payable under any effective statute. All prices herein quoted are subject to change without notice.

When prices advance, only orders actually mailed to us before the advance will be invoiced at the previous prices.

FREIGHT ALLOWANCE

All Furnaces: Less than carload shipments from factory, actual regular (no Pick-up and Delivery) railroad freight allowed up to but not exceeding 50c cwt. On carload shipments from factory, actual carload rate of freight is allowed to all points east of the eastern boundary of North and South Dakota, Nebraska, and Kansas and north of the southern boundaries of Missouri, Kentucky and Virginia, including all towns on such boundary lines; to points beyond these boundaries carload rate of freight to the boundaries will be allowed. No freight allowance will be made on shipments from warehouse stocks.

CLAIMS

Goods must not be returned except by special permission, and when so returned are subject to discount.

IMPORTANT NOTICE

All orders are accepted subject to strikes, fire and other causes beyond our control.

Thatcher Furnace Company

Your Warm Friend Since 1850

Boilers — Radiators — Furnaces — Air Conditioners

39-41 ST. FRANCIS STREET NEWARK, N. J.

NET TRADE PRICE LIST

JANUARY 23, 1939

THATCHER COMFORTMASTER

V - SERIES -- STEEL HEAT GENERATOR -- SQUARE CASING

FOR OIL

Number	B.T.U. Output at Register	C.F.M. Cap. at 1/4" S. P.	Motor H.P.	Shipping Weight, Lbs.	Net Price
V-200	125,000	1500	1/4	1200	$ 222.00
V-300	165,000	2015	1/3	1325	252.00
V-400	210,000	2700	1/2	1575	308.00
V-500	254,000	3100	3/4	1700	344.00

V-SERIES UNITS Include:

1. Steel Heat Generator
2. Chrome Trimmed Exterior Casing
   Modern Enclosed Front
   Wrinkle Finish
3. Inner Round Baffle Casing
4. Blower Filter Unit
   Shipped Assembled
5. Heavy Centrifugal Blower
6. Vari-Speed Pulley and Complete Drive
7. Rubber Cushion Mounted Motor
8. Split Wire Throway Filters

NOTE: Blower Filter Unit designed so that it can be installed on either the right or left hand side of Heat Generator and has large service door on the side.

S - SERIES -- STEEL HEAT GENERATOR -- SQUARE CASING

FOR OIL

Number	B.T.U. Output at register	C.F.M. Cap. at 1/4" S. P.	Motor H.P.	Shipping Weight, Lbs.	Net Price
S-203	80,000	1025	1/6	844	$ 140.00
S-303	125,000	1500	1/4	1012	176.00

S-SERIES UNITS Include:

1. Steel Heat Generator
2. Cast Iron Economizer
3. Square, Wrinkle Finish
   Exterior Casing
   12" Burner Cabinet
5. Heavy Centrifugal Blower
6. Rubber Mounted Motor
7. Complete Drive - Shipped Assembled
   with Blower and Motor
8. Split Wire Throway Filters
9. Cellar Air Intake for Summer use.

NOTE: Blower Filter Unit is installed in rear of Heat Generator and has large service doors on both sides.

IMPORTANT: When ordering, state whether unit is desired for Gun or Rotary Burner.

Humidifier - Automatic Drip Humidifier	Price	$ 10.50
Controls - Plain Furnacestat - L-412-A	"	8.00
Combination Control L-401-A	"	13.50

TERMS

Two percent - 10 days, Net - 30 days. All prices herein quoted are subject to the addition of any manufacturers or sales tax payable under any effective statute. All prices herein quoted are subject to change without notice. All orders are accepted subject to strikes, fire and other causes beyond our control.

FREIGHT ALLOWANCE

All Thatcher "ComfortMaster" Air Conditioners are priced F.O.B. Newark, N. J., with an actual rate of railroad freight allowed up to but not exceeding 30¢ per cwt.

THATCHER FURNACE COMPANY

39 ST. FRANCIS ST.

NEWARK, N. J.

MArket 3-4480 Murray Hill 2-0368

NET TRADE PRICE LIST

JANUARY 23, 1939

THATCHER COMFORTMASTER

BV - SERIES -- STEEL HEAT GENERATOR -- SQUARE CASING

WITH CONCEALED GUN TYPE BURNER

Number	B.T.U. Output at register	C.F.M. Cap at 1/4" S. P.	Motor H. P.	Shipping Weight, Lbs.	Net Price
BV 200	125,000	1500	1/4	1375	$ 319.00
BV 300	165,000	2015	1/3	1500	351.00
BV 400	210,000	2700	1/2	1750	408.00
BV 500	254,000	3100	3/4	1875	444.00

BV-SERIES UNITS Include:

1. Steel Heat Generator
2. Chrome Trimmed Exterior Casing Enclosing Burner Wrinkle Finish
3. Inner Round Baffle Casing
4. Blower Filter Unit Shipped Assembled
5. Heavy Centrifugal Blower
6. Rubber Mounted Motor
7. Precast Combustion Chamber
8. Model "B" Gun-Type Oil Burner
9. Automatic Draft Regulator
10. Three Minneapolis Controls
    T 11-A Acratherm Thermostat
    R 117-A Protectorelay
    L 401-A Combination Furnacestat and Limit Control
11. Complete Drive with Vari-Speed Pulley
12. Split Wire Throway Filters

NOTE: Blower Filter Unit designed so that it can be installed on either side of Heat Generator and has large service door on the side.

BS - SERIES -- STEEL HEAT GENERATOR -- SQUARE CASING

WITH CONCEALED GUN TYPE BURNER

Number	B.T.U. Output at register	C.F.M. Cap at 1/4" S.P.	Motor H. P.	Shipping Weight, Lbs.	Net Price
BS 203	80,000	1025	1/6	1019	$ 227.00
BS 303	125,000	1500	1/4	1187	261.00

BS-SERIES UNITS Include:

1. Steel Heat Generator
2. Cast Iron Economizer
3. Square Exterior Casing Enclosed Burner Wrinkle Finish
4. Inner Baffle Casing
5. Blower Complete with Drive Shipped Assembled
6. Precast Combustion Chamber
7. Model "B" Gun-Type Oil Burner
8. Automatic Draft Regulator
9. Three Minneapolis Controls
    T 11-A Acratherm Thermostat
    R 117-A Protectorelay
    L 401-A Combination Furnacestat and Limit Control
10. Rubber Mounted Motor
11. Split Wire Throway Filters
12. Cellar Air Intake for Summer use.

NOTE: Blower Filter Unit is installed in rear of Heat Generator and has large service doors on both sides.

Automatic Drip Humidifier . . . . . Net Price $ 10.50

SPECIAL CONTROLS:

No. T 109-A Heat Accelerated Da-Nite Acratherm
May be substituted for No. T11-A
at an additional charge of 9.50

No. T 105-A Heat Accelerated Chronotherm
May be substituted for T 11-A
at an additional charge of 30.00

No. R 155-A Control Box for Thermostatic
summer control of the blower 17.75

TERMS

Two percent - 10 days, Net - 30 days. All prices herein quoted are subject to the addition of any manufacturers or sales tax payable under any effective statute. All prices herein quoted are subject to change without notice. All orders are accepted subject to strikes, fire and other causes beyond our control.

FREIGHT ALLOWANCE

All Thatcher "ComfortMaster" Air Conditioners are priced F.O.B. Newark, N. J., with an actual rate of railroad freight allowed up to but not exceeding 30¢ cwt.

THATCHER FURNACE COMPANY

39 ST. FRANCIS ST.

NEWARK, N. J.

MArket 3-4480 Murray Hill 2-0368

AVERY LIBRARY

AVERY LIBRARY

THATCHER
PRODUCTS

Thatcher Furnace Company

Since 1850

Boilers - Radiators - Furnaces - Air Conditioners

39 ST. FRANCIS ST. NEWARK, N. J.